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PLASMA TV

SERVICE MANUAL

CHASSIS : DF-054B

MODEL : 50PX4D

50PX4D-EB

CAUTION

BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.



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SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by \triangle in the Schematic Diagram and Replacement Parts List.

It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent X-RADIATION, Shock, Fire, or other Hazards.

Do not modify the original design without permission of manufacturer.

General Guidance

An **isolation Transformer should always be used** during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and its components from being damaged by accidental shorts of the circuitry that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this monitor is blown, replace it with the specified.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

Keep wires away from high voltage or high temperature parts.

Due to high vacuum and large surface area of picture tube, extreme care should be used in **handling the Picture Tube**. Do not lift the Picture tube by its Neck.

Leakage Current Cold Check(Antenna Cold Check)

With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on position, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.

If the exposed metallic part has a return path to the chassis, the measured resistance should be between $1M\Omega$ and $5.2M\Omega$.

When the exposed metal has no return path to the chassis the reading must be infinite.

An other abnormality exists that must be corrected before the receiver is returned to the customer.

Leakage Current Hot Check (See below Figure)

Plug the AC cord directly into the AC outlet.

Do not use a line Isolation Transformer during this check.

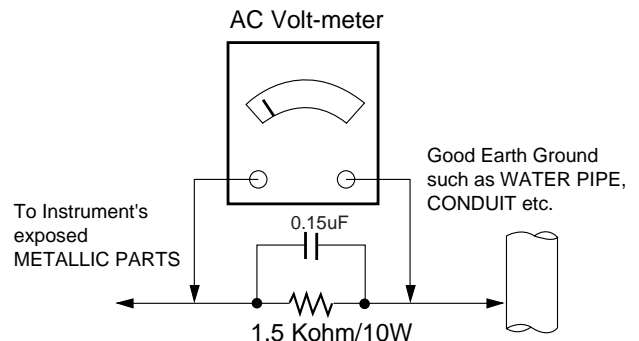
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.

Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.

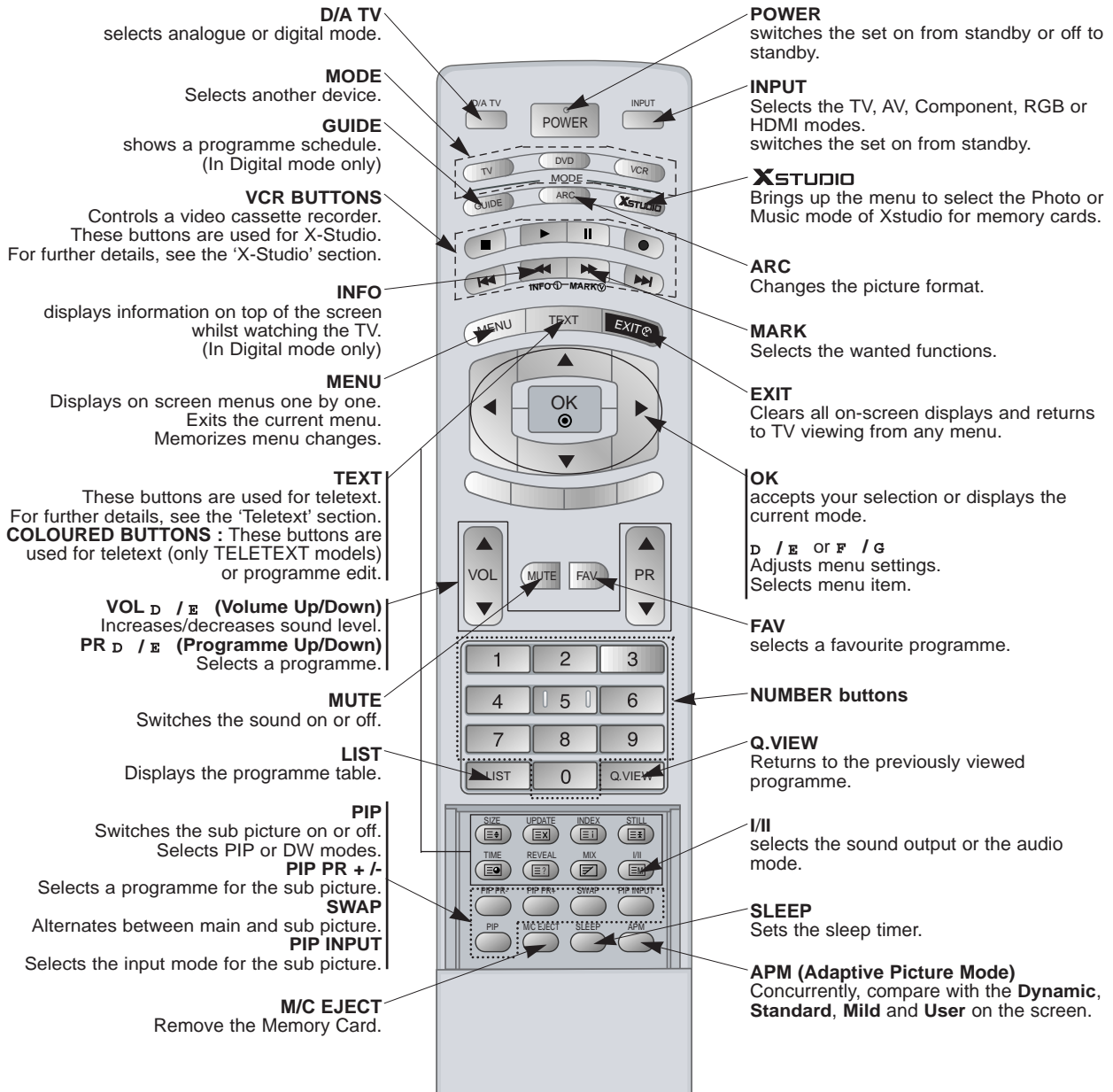
Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each exposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which corresponds to 0.5mA.

In case any measurement is out of the limits specified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

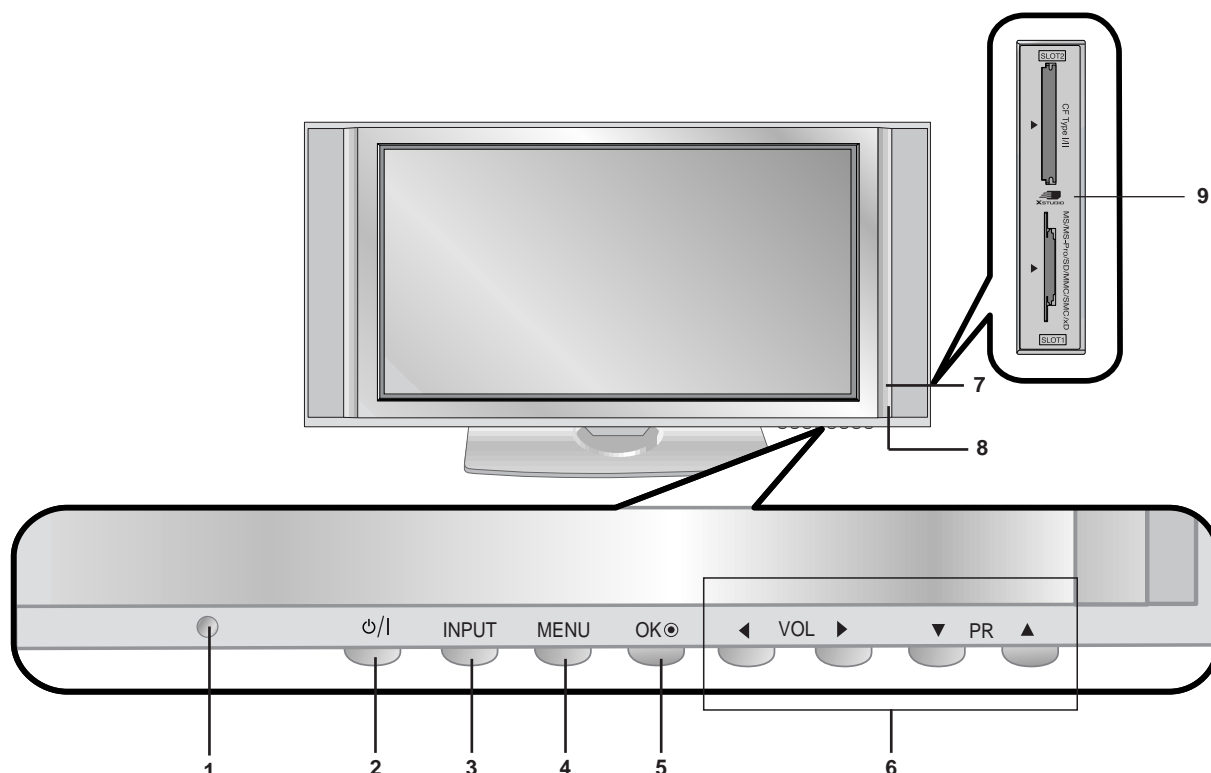
Leakage Current Hot Check circuit



DESCRIPTION OF CONTROLS

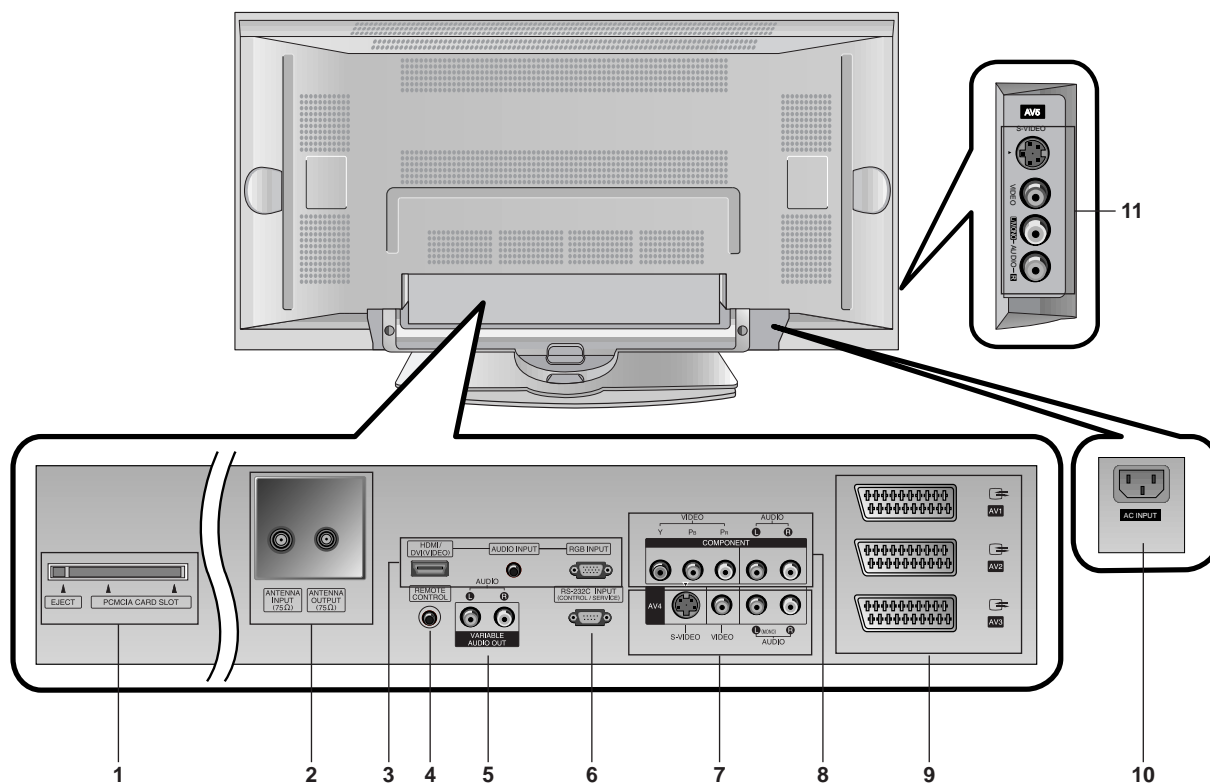


<Front Panel Controls>



1. **Power Button**
Switches the set on from standby or off to standby.
2. **Remote Control Sensor**
3. **INPUT Button**
Selects the TV, AV, Component, RGB or HDMI modes.
Switches the set on from standby.
4. **MENU**
Displays on screen menus one by one.
Exits the current menu.
Memorizes menu changes.
5. **OK**
Accepts your selection or displays the current mode.
6. **D / E (Programme Up/Down)**
Selects a programme or a menu item.
Switches the set on from standby.
F / G (Volume Up/Down)
Adjusts the volume.
Adjusts menu settings.
7. **Power Indicator**
Illuminates red in standby mode, Illuminates green when the set is turned on
8. **Intelligent Eye**
Adjusts picture according to the surrounding conditions.
9. **Memory Card Slots 1, 2**

<Back Panel>



1. **PCMCIA (Personal Computer Memory Card International Association) Card Slot**

2. **ANTENNA INPUT/OUTPUT**

3. **HDMI(DVI VIDEO) / AUDIO INPUT / RGB INPUT**
Connect the monitor output socket of the PERSONAL COMPUTER to this socket.

Note: If you want to use RGB/DVI audio, we strongly recommend that you use the cable that has a core, or the EMI Filter core along with separate cable.

4. **REMOTE CONTROL**

5. **VARIABLE AUDIO OUT SOCKETS**

6. **RS-232C INPUT (CONTROL/SERVICE) PORT**
Connect to the RS-232C port on a PC.

7. **AUDIO/VIDEO IN SOCKETS (AV4)**
Connect the audio/video out sockets of external equipment to these sockets.

S-VIDEO/AUDIO IN SOCKETS

Connect the S-VIDEO out socket of an VCR to the **S-VIDEO** socket.

Connect the audio out sockets of the VCR to the audio sockets as in **AV4**.

8. **COMPONENT INPUT**

Connect DVD video outputs to Y, P_B, P_R of COMPONENT INPUT and audio outputs to Audio sockets of AUDIO INPUT.

9. **EURO SCART SOCKET**

Connect the euro scart socket of the VCR to these sockets.

Note:

a. If you want to use the EURO scart cable, you have to use the signal shielded Euro scart cable.

b. If the S-VIDEO(Y/C) signal is received through the Euro scart socket 2 (AV2), you must change to the SAV2 mode.

10. **POWER CORD SOCKET**

This set operates on AC power. The voltage is indicated on the Specifications page. Never attempt to operate the Monitor on DC power.

11. **AUDIO/VIDEO IN SOCKETS (AV5)
S-VIDEO/AUDIO IN SOCKETS**

Accessories



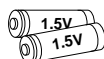
Owner's Manual



Remote Control handset



2-Eye Bolts



Alkaline batteries



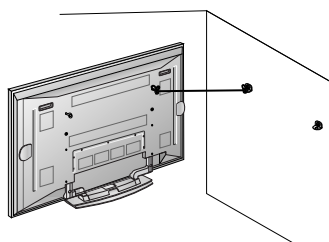
Power Cord



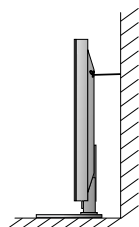
2-Wall brackets

Joining the set assembly to the wall to prevent the set tumbling

- Secure the set assembly by fixing it to a wall by using the Eye Bolts/Wall brackets.



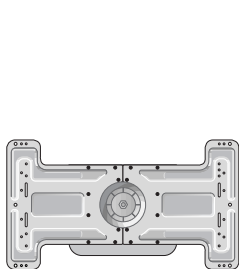
- If the set is to be mounted on a desk top, insert the 2 Eye-Bolts and tighten them securely in the upper holes as shown. Install the wall brackets on the wall with 2 bolts*, (not supplied with the product), as shown. Match the height of the Eye-Bolts and the wall brackets. Check to be sure the Eye-Bolts and the brackets are tightened securely.



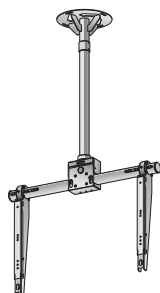
- Secure the set assembly to the wall with strong strings or wound wire cables, (not supplied with the product), as shown.

Optional Extras

- Optional extras can be changed or modified for quality improvement. Without any notification, new optional extras can be added.
- Contract your dealer for the purchasing of these items.



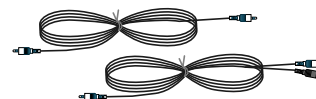
Tilt wall mounting bracket



Ceiling mounting bracket



Video cables



Audio cables

SPECIFICATIONS

NOTE : Specifications and others are subject to change without notice for improvement.

▽ Application Range

This spec is applied to the 50" PDP TV used DF-054B Chassis.

▽ Specification

Each part is tested as below without special appointment.

1) Temperature : $25\pm5^{\circ}\text{C}$ ($77\pm9^{\circ}\text{F}$), CST : 40 ± 5

2) Relative Humidity: $65\pm10\%$

3) Power Voltage: Standard Input voltage (100-240V~, 50/60Hz)

* Standard Voltage of each product is marked by models.

4) Specification and performance of each parts are followed each drawing and specification by part number in accordance with BOM.

5) The receiver must be operated for about 20 minutes prior to the adjustment.

▽ Test Method

1) Performance : LGE TV test method followed.

2) Demanded other specification

Safety : IEC/EN60065

EMI : EN55013

EMS : EN55020

▽ General Specification

1) Module Specification

No	Item	Specification	Remark
1	Display Screen Device	50 inch wide Color Display Module	PDP
2	Aspect Ratio	16:9	
3	PDP Module	PDP50X3####, RGB Closed Type	
4	Screen Filter	45% Total light transmittance (E-Mash)	Maker : NBK/ Mitsui/ LG Chemical
5	Operating Environment	1)Temp. : 0~40deg 2)Humidity : 0~85%	LGE SPEC.
6	Storage Environment	3)Temp. : -20~60deg 4)Humidity : 0~85%	
7	Input Voltage	100-240V~, 50/60Hz	Maker : Sony/ LG Innotek/ Sanken

2) Model General Specification

No	Item	Specification	Remark
1	Market	The United Kingdom	
2	Broadcasting system	1) PAL-BG/DK/I 2) SECAM L/L' 4)DVB-T(ID TV)	UK
3	Receiving system	Analog : Upper Heterodyne Digital : COFDM	
4	Scart Jack (3EA)	PAL, SECAM	
5	Video (2EA)	PAL, SECAM, NTSC	4 System : PAL, SECAM, NTSC, PAL60
6	S-Video Input (2EA)	PAL, SECAM, NTSC	4 System : PAL, SECAM, NTSC, PAL60
7	Component Input (1EA)	Y/Cb/Cr, Y/Pb/Pr	
8	RGB Input	RGB-PC, RGB-DTV	
9	HDMI Input	HDMI-PC HDMI-DTV & SOUND	
10	Audio Input (4EA)	PC Audio, Component, AV (2EA)	L/R Input
11	Wired Control	Discrete IR	
12	EPF (2 slot)	SM, MM, SD, MS, MS Pro, CF, Microdrive, Masicstor, XD	9 in 2

ADJUSTMENT INSTRUCTIONS

1. Application Object

These instructions is applied all of the 42", 50" PDP TV, DF-054B Chassis.

2. Specification

- (1) Because this is not a hot chassis, it is not necessary to use an isolation transformer. However, the use of isolation transformer will help protect test instrument.
 - (2) Adjustment must be done in the correct order.
 - (3) The adjustment must be performed in the circumstance of $25 \pm 5^{\circ}\text{C}$ of temperature and $65 \pm 10\%$ of relative humidity if there is no specific designation.
 - (4) The input voltage of the receiver must keep 100-220V, 50/60Hz.
 - (5) The receiver must be operated for about 15 minutes prior to the adjustment.
- o After RGB Full white HEAT-RUN Mode, the receiver must be operated prior to adjustment.
 - o Enter into HEAT-RUN MODE
 - 1) Press the POWER ON KEY on R/C for adjustment.
 - 2) OSD display and screen display PATTERN MODE.
- [Set is activated HEAT-RUN without signal generator in this mode.
- [Single color pattern(RED/BLUE/GREEN) of HEAT-RUN mode uses to check PANEL.

Caution) If you turn on a still screen more than 20 minutes, (Especially digital pattern, cross hatch pattern) after image may be occur in the black level part of the screen.

3. Channel memory

3-1. Setting up the LGIDS

- 1) Install the LGIDS. (idsinst.exe)
- 2) After installation, restart your PC.
- 3) Extract [files.zip] to folder [c:\LGIDS\files].
- 4) Start LGIDS.



(Fig. 1)

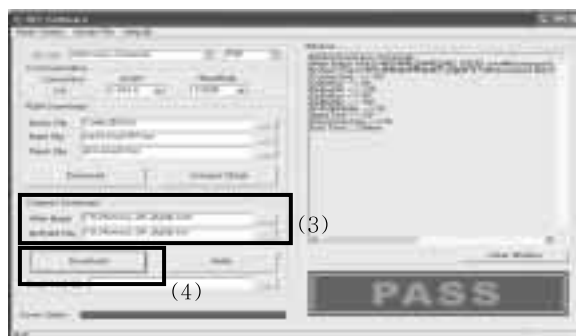
3-2. Channel memory Method

- 1) Select "PDP" and "Hurricane" on Model dialog. And check your connection in Communication dialog. (If your connection is 'NG', then set your PORT(COM1,2,3,...) correctly.)
 - 2) Connect RS-232C cable and turn on the power. (If your connection has completed, you can see "Ready".)
- [If your set is not an end products but only a board, you have to make your board to Stand-by state (LED_R). And you have to Download in Stand_by power state.



(Fig. 2)

- 3) Select proper CH_memory file(*.nvm) for each model at [NVRAM Download] \$ [Write Batch]
Next, select proper binary file(*.bin) including the CH information for each model at [NVRAM File].
File name : H2_CH_Memory_RZ.nvm
- 4) Click the [Download] button.
It means the completion of the CH memory download if all items show 'OK' and Status is changed by 'PASS' at the lower right corner of the window.
- 5) If you want to check whether the CH information is memorized correctly or not, click the [Verify] button.
And then compare NVRAM File(*.bin) with the CH information downloaded.



(Fig. 3)

4. Sub Program Down Load

- 1) Select " PDP" and "Hurricane" on Model dialog. and check your connection in Communication dialog. (If your connection is 'NG', then set your PORT(COM1,2,3,...) correctly.
- 2) Connect RS232 cable and turn on the power. (Use the special Cable for Sub-program)
(If your connection has completed, you can see 'Ready')
- 3) Select proper 'Model' for each model.
- 4) Select 'flash file' for each model.
- 5) Click the [Download] button.
It means the completion of the ROM download if all items show 'OK' and Status is changed by 'PASS' at the lower right corner of the window.



(Fig. 4)

5. PCMCIA CARD Checking Method

- 1) You must adjust DTV 29 Channel and insert PCMCIA CARD to socket.
- 2) If PCMCIA CARD works normally, normal signal display on screen. But it works abnormally, "No CA module" words display on screen.

Each PCB assembly must be checked by check JIG set.
(Because power PCB Assembly damages to PDP Module, especially be careful)

6. POWER PCB Assy Voltage Adjustments (Va, Vs Voltage adjustments)

6-1. Test Equipment : D.M.M. 1EA

6-2. Connection Diagram for Measuring : refer to fig.5

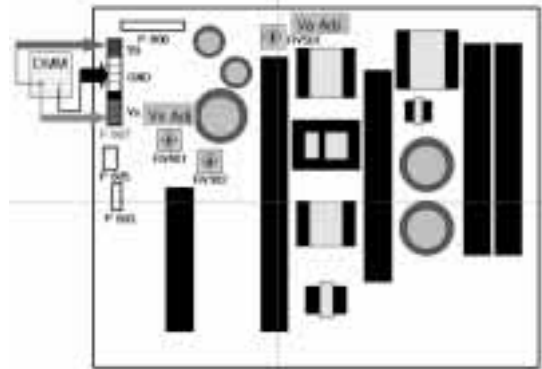
6-3. Adjustment Method

(1) Va Adjustment

- 1) After receiving 100% Full White Pattern, HEAT RUN.
- 2) Connect + terminal of D.M.M to Va pin of P807, connect - terminal to GND pin of P807.
- 3) After turning RV501, voltage of D.M.M adjustment as same as Va voltage which on label of panel right/top. (Deviation; $\pm 0.5V$)

(2) Vs Adjustment

- 1) Connect + terminal of D.M.M to Vs pin of P807, connect - terminal to GND pin of P807.
- 2) After turning RV401, voltage of D.M.M adjustment as same as Va voltage which on label of panel right/top. (Deviation; $\pm 0.5V$)



(Fig. 5) Connection diagram of power adjustment for measuring

7. EDID (The Extended Display Identification Data)/ DDC (Display Data Channel) download

7-1. Required Test Equipment

- 1) Adjusting PC with S/W for writing EDID Data.(S/W : EDID TESTER Ver.2.5)
- 2) A Jig for EDID Download
- 3) Cable : Serial(9Pin or USB) to D-sub 15Pin cable, D-sub 15Pin cable, DVI to HDMI cable

7-2. Setting of device



(Fig. 6) Connection Diagram of DDC download

7-3. Preparation for Adjustment

- 1) As above Fig. 6, Connect the Set, EDID Download Jig, PC & Cable.
- 2) Turn on the PC & EDID Download Jig. And Execute the S/W : EDID TESTER Ver.2.5
- 3) Set up S/W option
Repeat Number : 5
Device Address : A0
PageByte : 8
- 4) Power on the Set



7-4. Sequence of Adjustment

- DDC data of Analog-RGB

- 1) Init the data



- 2) Load the EDID data.(Open File)
[Analog(RGB) : H2_VGA_XGA_RGB(2B52.ANA)]
(for VGA, XGA)
[Digital(HDMI) : H2_VGA_HDMI(CB50).DVI] (VGA only)
[Digital(HDMI) : H2_VGA_HDMI(0F0F).DVI] (XGA only)
- 3) Set the S/W as below.
- 4) Push the "Write Data & Verify" button. And confirm "Yes".
- 5) If the writing is finished, you will see the "OK" message.



8. Auto AV(CVBS) Color Balance

8-1. Requirement

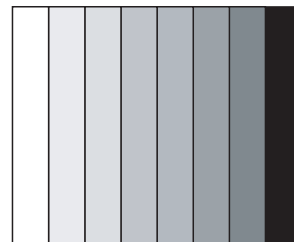
- ∇ This AV color balance adjustment should be performed before white Balance Adjustment.
- ∇ It is very important to use adjustment pattern like Fig.7
 - 1) Within the pattern, color sequence should be aligned : W-Y-C-G-M-R-BLUE-BLACK
(If color sequence is reversed (Black -> ... -> White), reverse the pattern with REV key, when using Master pattern generator like MSPG-925)
 - 2) If minimum Black level and/or maximum White level is not correct, select 100% color bar pattern.

8-2. Required Equipment

- 1) Remote controller for adjustment
- 2) AV Pattern Generator
: 802F Pattern Generator, Master(MSPG-925FA), etc
(Which has PAL Composite Video format output with standard(1.0 Vpp) Vertical 100% Color Bar Pattern as Fig7)

8-3. Method of Auto AV(CVBS) Color Balance

- 1) Input the PAL Composite Video into video input.
(Input 50Hz, 42PX5D/ 50PX4:AV4/AV5 Input)
- 2) Set the PSM to Standard mode in Picture menu.
- 3) Press INSTAR key on R/C for adjustment.
- 4) Press the G (Vol. +) key operate to set, then it becomes automatically.
- 5) Auto-RGB OK means completed adjustment.



(Fig. 7) Auto AV(CVBS) Color Balance Test Pattern

9. Adjustment of White Balance

9-1. Required Equipment

- 1) Remote controller for adjustment
- 2) Color Analyzer (CA-100 or same product)
- 3) Auto W/B adjustment instrument(only for Auto adjustment)
- 4) AV Pattern Generator

9-2. Connecting diagram of equipment for measuring (For Auto Adjustment)



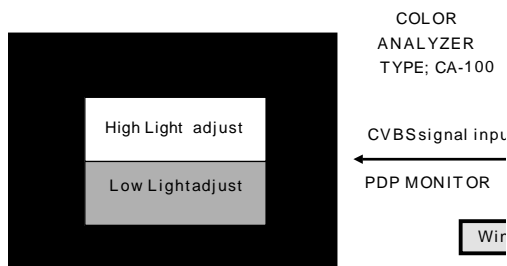
(Fig. 8) Connection Diagram of Auto W/B Adjustment

W Auto adjustment Map(RS-232C)

Type		DF-054B : 42PX4D/ 50PX4D				
Baud Rate		Data bit		Stop bit	Parity	
115200		8		1	NONE	
Protocol Setting	Index	Cmd1	Cmd2	Data	Min Value	Max Value
	R Gain	j	a		00(00)	255(FF)
	G Gain	j	b		00(00)	255(FF)
	B Gain	j	c		00(00)	255(FF)
	R Offset	j	d		00(00)	255(FF)
	G Offset	j	e		00(00)	255(FF)
	B Offset	j	f		00(00)	255(FF)

9-3. Adjustment of White Balance (For Manual adjustment)

- o Operate the zero-calibration of the CA-100, then stick sensor to PDP module surface when you adjust.
 - o For manual adjustment, it is also possible by the following sequence.
- 1) Select white pattern of heat-run mode by pressing power on key on remote control for adjustment then operate heat run more than 15 minutes.
 - 2) As below Fig.9, Supply 216Level (85 IRE) full screen pattern to Video input.
(Input 50Hz, 42PX5D/50PX4D : AV4/AV5 Input)



(Fig. 9) Pattern for Adjustment of White Balance

- 3) Press the TV/AV KEY on R/C for converting input mode.
- 4) Set the PSM to Standard mode in Picture menu.
- 5) Enter the White Balance adjustment mode by pressing the INSTART key twice(White Balance) on R/C.
- 6) Stick sensor to center of the screen and select each items (Red/Green/Blue Gain and Offset) using Δ / ∇ (CH +/-) key on R/C.
- 7) Adjust Only High Light with R Gain/ B Gain using \mathbb{F} / \mathbb{G} (VOL+/-) key on R/C.
- 8) Adjust it until color coordination becomes as below.
(Initially, R/G/B gain and R/G/B offset values are fixed as below
Red Gain : 82, Green Gain : 80, Blue Gain : 86
Red Offset : 7D, Green Offset : 7E, Blue Offset : 80)

[DF-054B]-XGA 42",50"

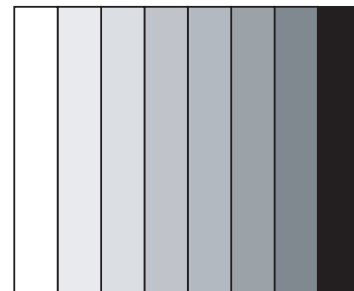
Brightness : High Light : $80 \pm 20 \text{cd/m}^2$
Color-Coordinate : High Light : X : 0.285 ± 0.003
Y : 0.290 ± 0.003
Color Temperature : $9,300^\circ\text{K} \pm 500^\circ\text{K}$

- 9) When adjustment is completed, Exit adjustment mode using EXIT key on R/C

10. Auto Component Color Balance

10-1. Requirement

- It is very import to use correct adjustment pattern like fig.10
 - v Within the pattern, color sequence should be aligned : W-Y-C-G-M-R-BLUE-BLACK
(If color sequence is reversed(Black -> ... > White), reverse the pattern with REV key, when using Master pattern generator like MSPG-925)
 - v If Minimum Black Level and/or Maximum White Level is not correct, select 100% Color Bar Pattern.



(Fig. 10) Auto Component Color Balance Test Pattern

9-2. Required Test Equipment

- 1) Remote controller for adjustment
- 2) 802F Pattern Generator
(Which has 720p Ypbpr output with Standard(0.7Vpp) Vertical 100% Color Bar Pattern as Fig.10)

9-3. Method of auto component color balance

- 1) Input the Component 720p 100% Color Bar signal into Component1 or Component2.
- 2) Set the PSM to Standard mode in Picture menu.
- 3) Press INSTART key on R/C for adjustment.
- 4) Press the \mathbb{G} (Vol. +) key operate to set, then it becomes automatically.
- 5) Auto-RGB OK means complete adjustment

11. Auto RGB Color Balance


11-1. Requirement

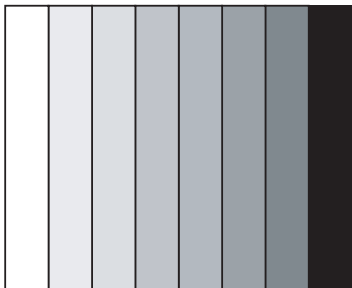
- It is very import to use correct adjustment pattern like fig.11
 - v Within the pattern, color sequence should be aligned : W-Y-C-G-M-R-BLUE-BLACK
(If color sequence is reversed(Black -> ... > White), reverse the pattern with REV key, when using Master pattern generator like MSPG-925)
 - v If Minimum Black Level and/or Maximum White Level is not correct, Do select 100% Color Bar Pattern.

11-2. Required Test Equipment

- 1) Remote controller for adjustment
- 2) 802F Pattern Generator, Master(MSPG-925FA), etc.
(Which has XGA 60Hz PC Format output with standard (0.7Vpp) 100% Color Bar Pattern as Fig.11)

11-3. Method of Auto RGB Color Balance



- 1) Input the PC 1024x768 60Hz 100%Color bar into RGB.
- 2) Set the PSM to Standard mode in Picture menu.
- 3) Press ADJ key on R/C for adjustment.
- 4) Press the  (Vol. +) key operate To set, then it becomes automatically.
- 5) Auto-RGB OK means completed adjustment.



(Fig. 11) Auto RGB Color Balance Test Pattern


12. Default value in adjustment mode

12-1. Auto Color Balance (Component/RGB)

Auto Color Balance(HEX)		
Auto-RGB  To Set		
Source Cortez		
Red	Offset1	22
Green	Offset1	24
Blue	Offset1	23
Red	Offset2	45
Green	Offset2	43
Blue	Offset2	37
Red	Gain	014
Green	Gain	031
Blue	Gain	011
Reset	 To Set	

(Fig. 12) Default Value on OSD

12-2. White Balance

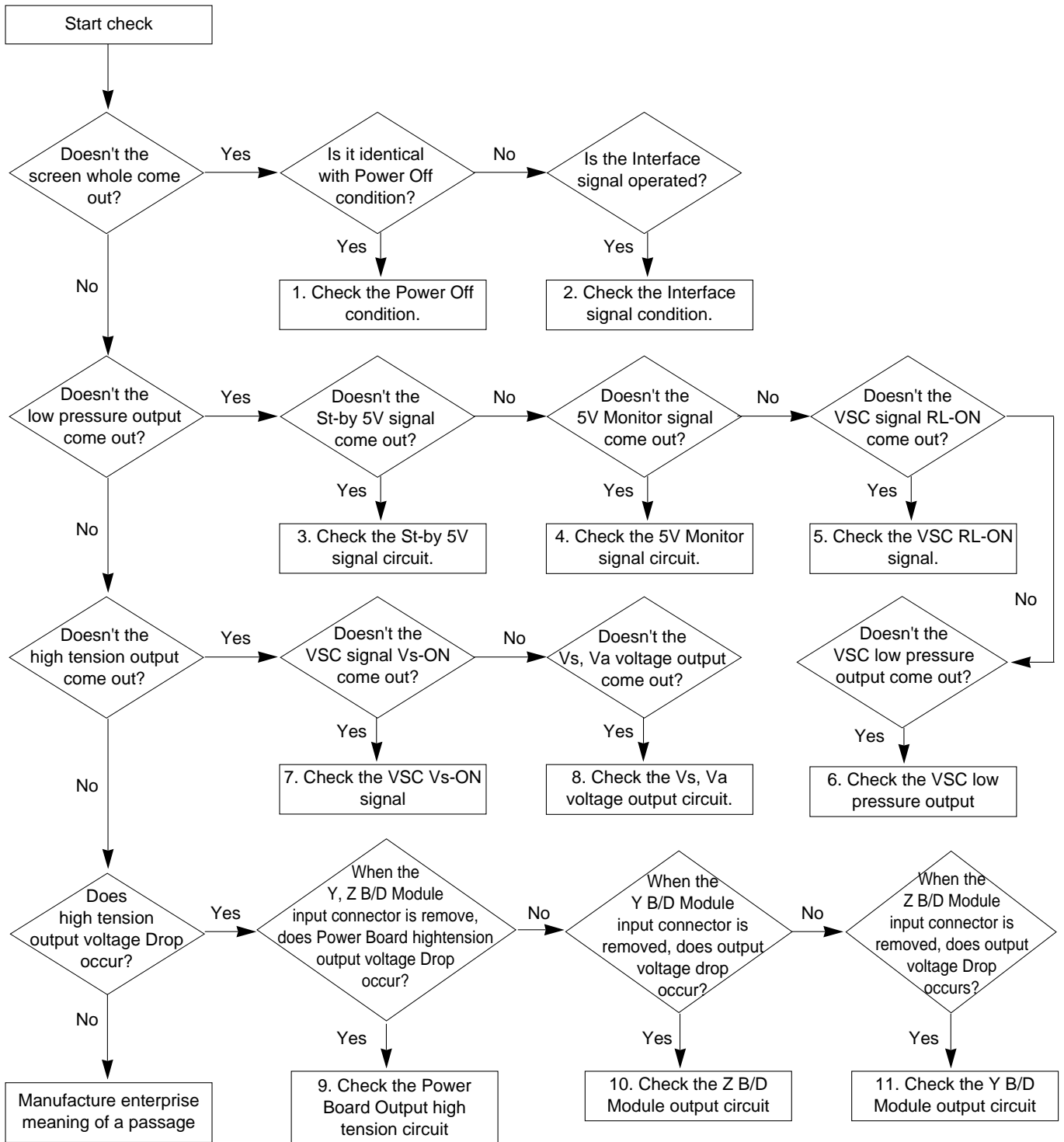
White Balance(Hex)		
Red	Gain	82
Red	Offset	80
Green	Gain	86
Green	Offset	7D
Blue	Gain	7E
Blue	Offset	80
Reset	 To Set	

(Fig. 13) Default Value on OSD

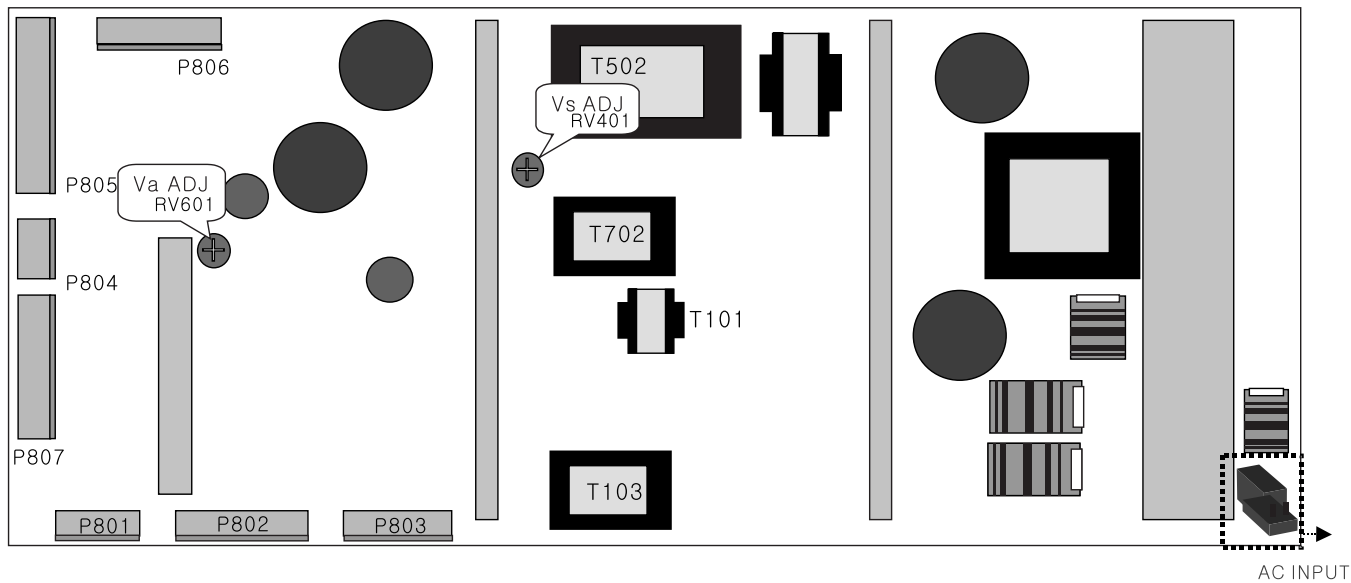
TROUBLE SHOOTING GUIDE

1. Power Board

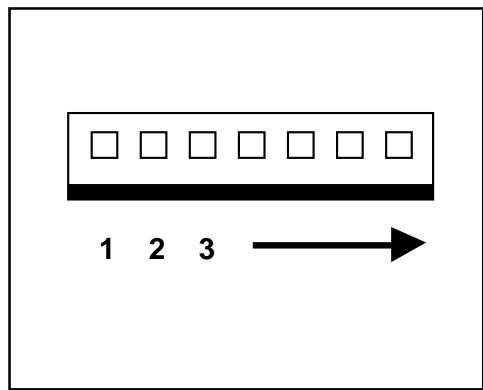
1-1. The whole flowchart which it follows in voltage output state



1-2. Sony Power Board Structure

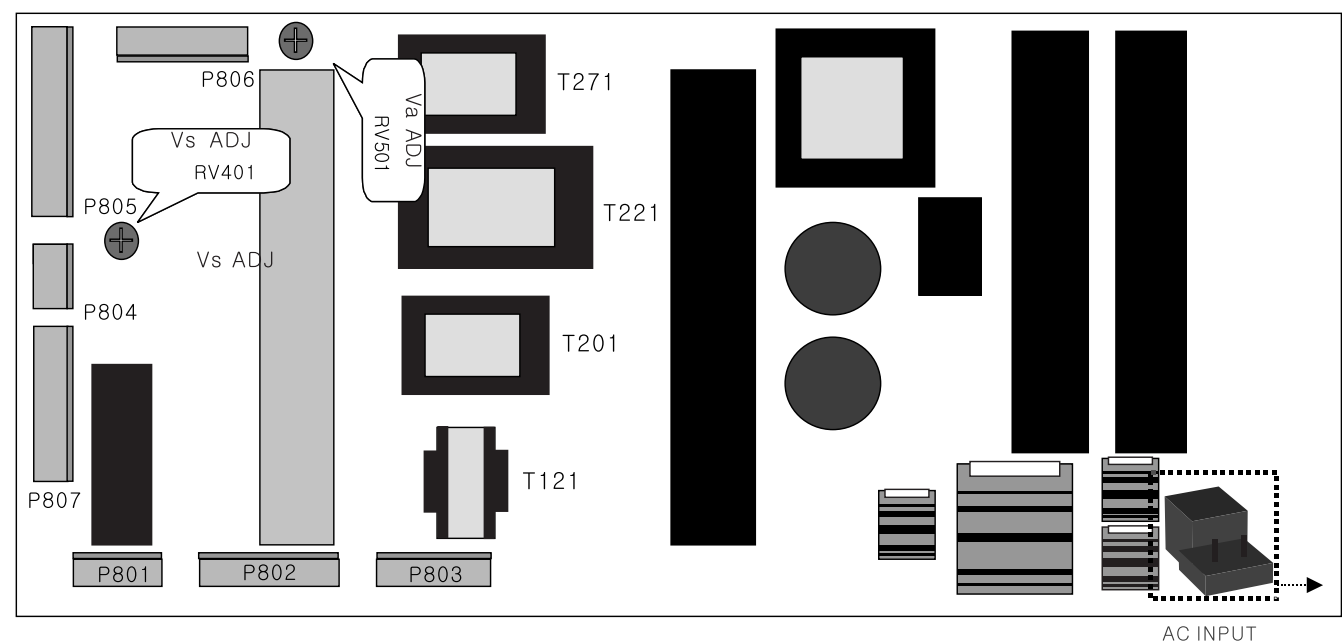


PIN No	1	2	3	4	5	6	7	8	9	10	11	12
P801	POD	5V-MNT	VS-ON	GND	STBY5V	RL-ON	A-ON					
P802	GND	GND	12V	12V	GND	GND	6V	6V	GND	GND	3.4V	3.4V
P803	GND	12V	GND	3.4V	GND	6V	GND	GND	25V	25V		
P804	GND	GND	5V	5V								
P805	Vs	Vs	Vs	NC	GND	GND	GND	GND	Va	Va		
P806	5V	GND	Va	GND	GND	NC	Vs	Vs				
P807	5V	5V	5V	5V	GND	GND	GND	GND				

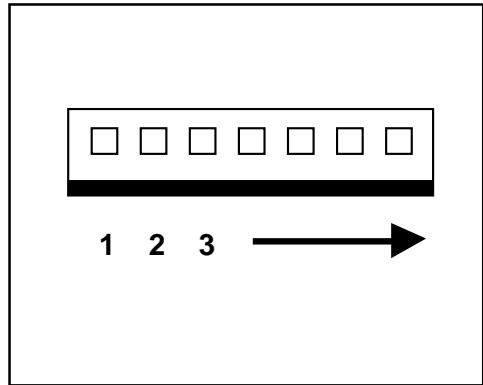


- T502: Vs Trans
- T702: Va Trans
- T101: St-by Trans
- T103: Low Voltage Trans

1-3. Sanken, LGIT Power Board Structure



PIN No	1	2	3	4	5	6	7	8	9	10	11	12
P801	NC	5V-MNT	VS-ON	GND	STBY5V	RL-ON	A-ON					
P802	GND	GND	12V	12V	GND	GND	6V	6V	GND	GND	3.4V	3.4V
P803	GND	12V	GND	3.4V	GND	6V	GND	GND	19V	19V		
P804	GND	GND	5V	5V								
P805	Vs	Vs	Vs	NC	GND	GND	GND	GND	Va	Va		

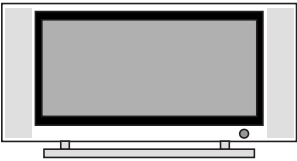


- T221: Vs Trans
- T271: Va Trans
- T121: St-by Trans
- T201: Low Voltage Trans

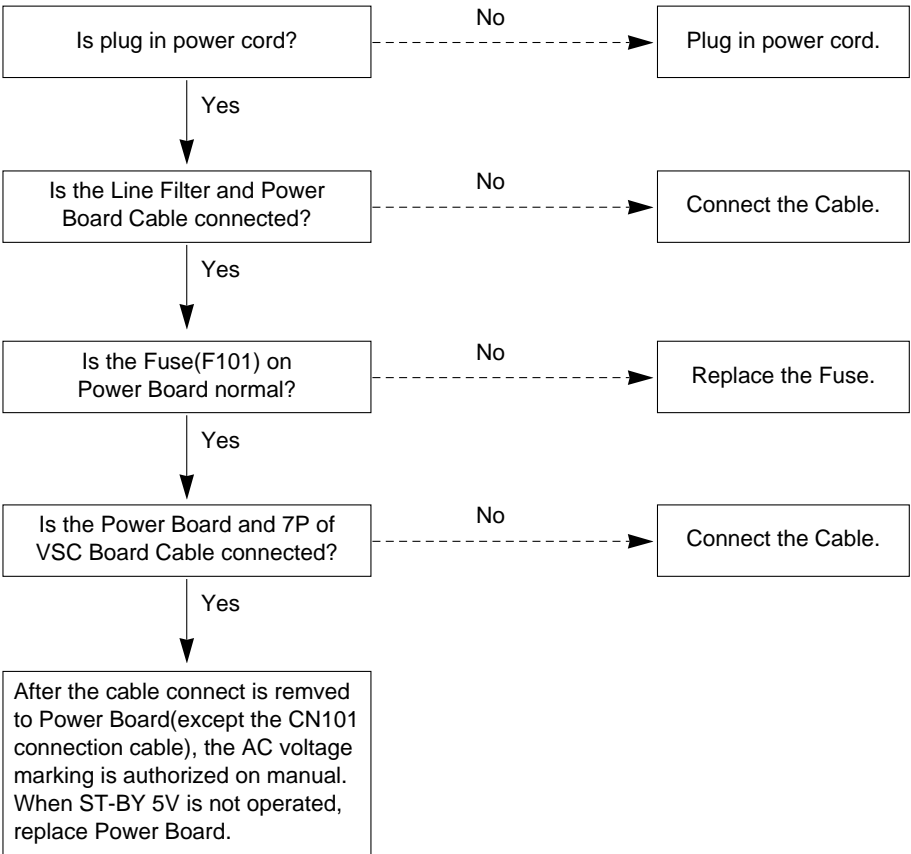
2. No Power

(1) Symptom

- It is not discharged minutely from the module.
- Light does not come in into the front LED.



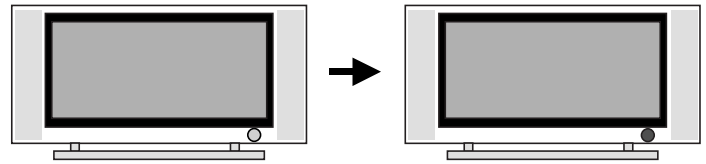
(2) Check following



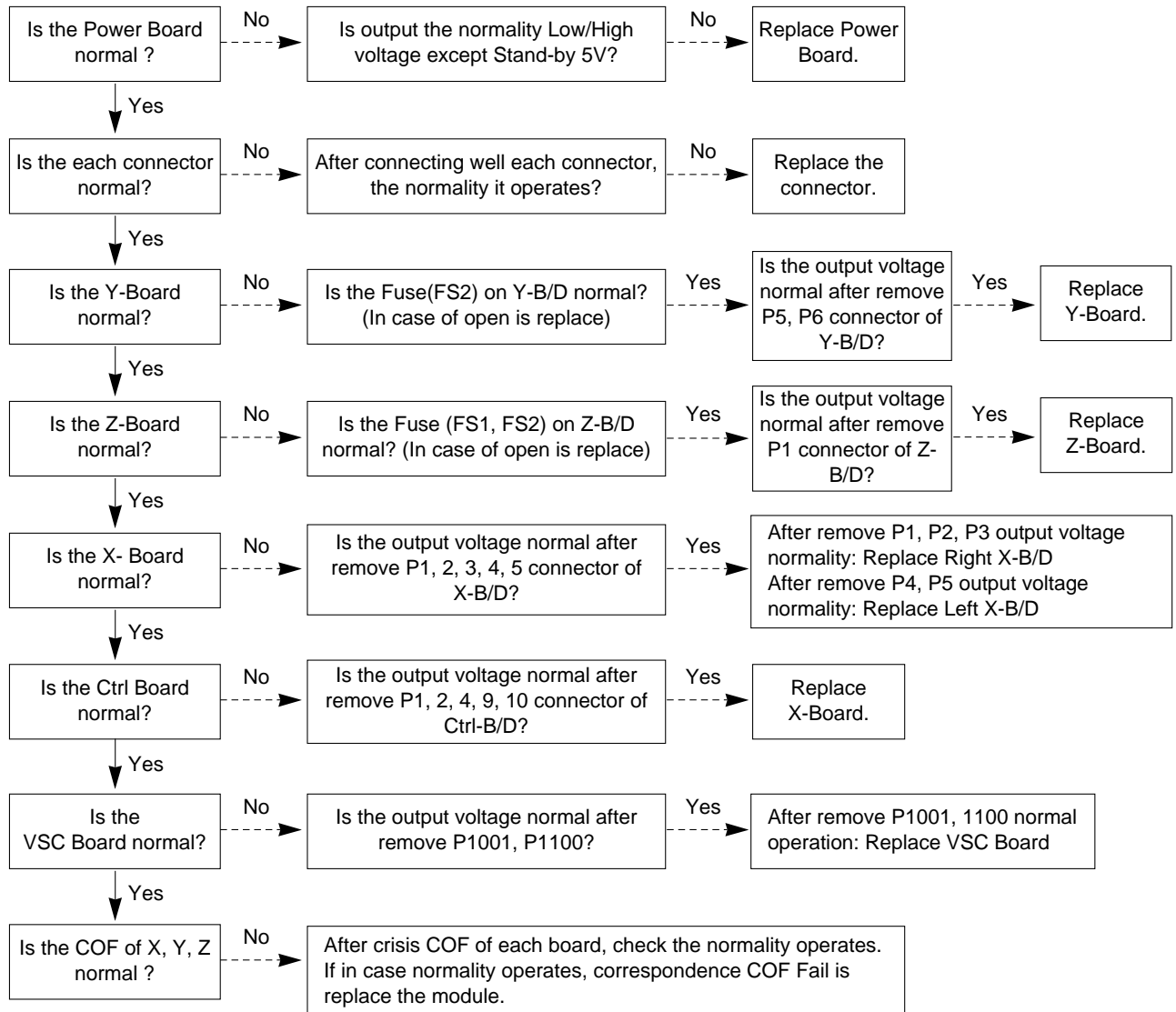
3. Protect Mode

(1) Symptom

- After once shining, it does not discharge minutely from module
- The Relay falls(The sound is audible “click”)
- It is converted with the color where the front LED is red from green.



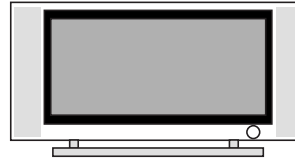
(2) Check following



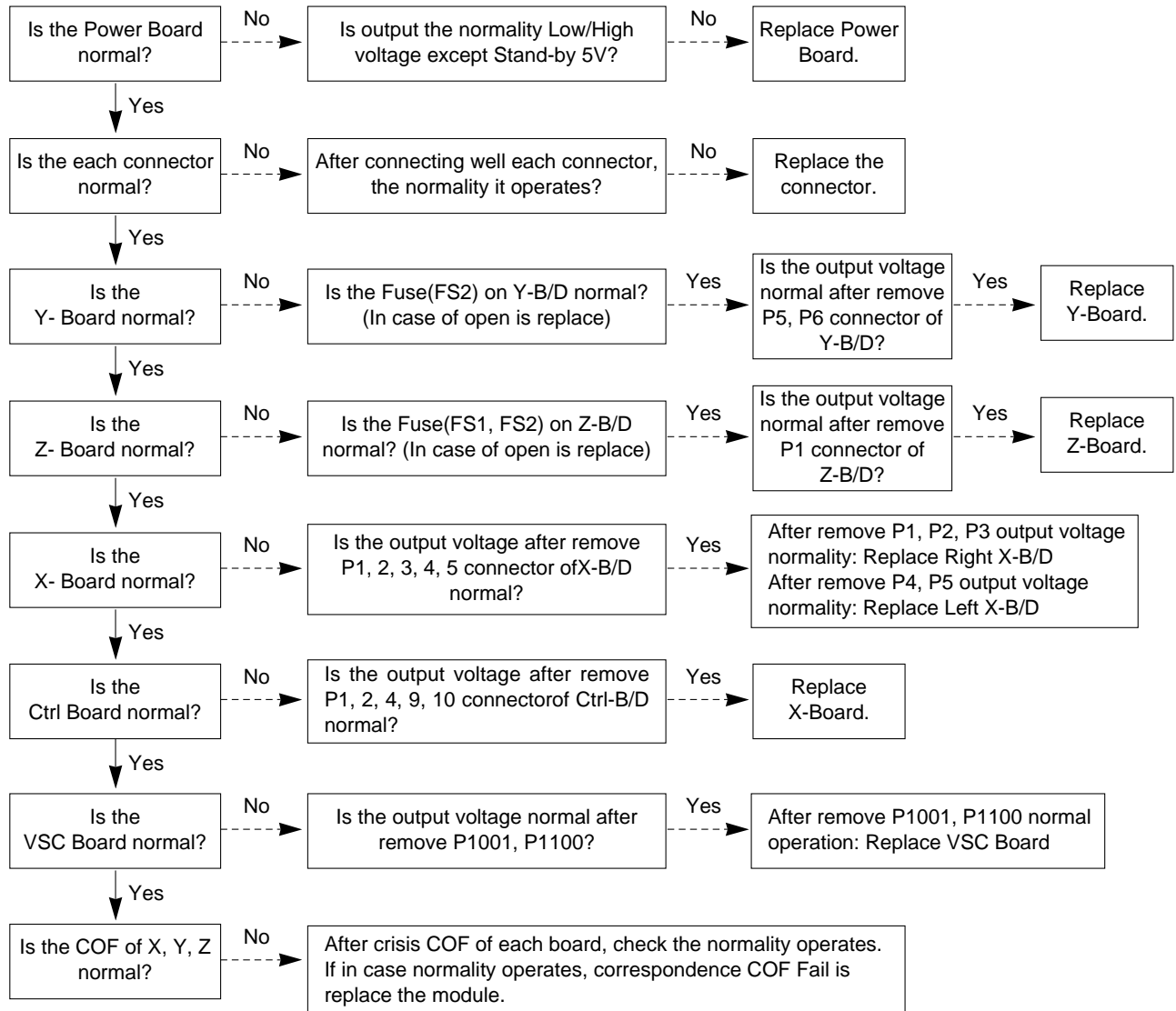
4. No Raster

(1) Symptom

- It does not discharged from the module.
- It maintains the condition where the front LED is green.



(2) Check following

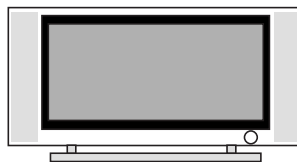


5. In the case of occurring strange screen into specific mode

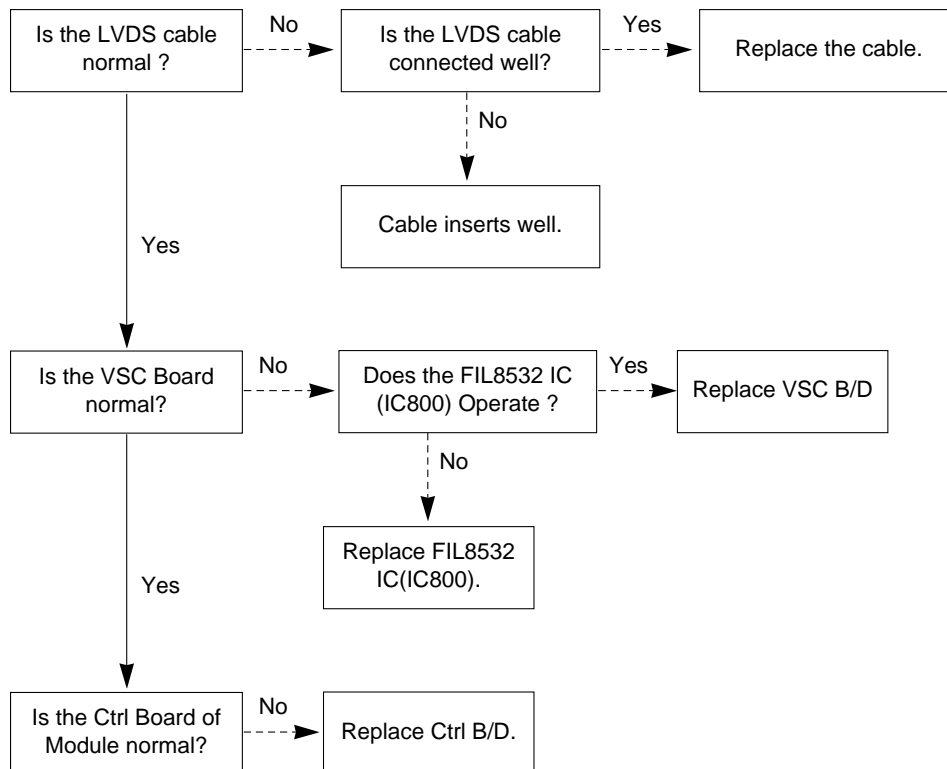
5-1. In case the OSD does not displayed

(1) Symptom

- LED is green
- The minute discharged continuously becomes accomplished from module



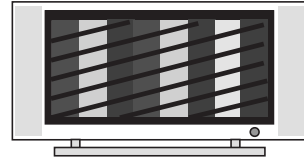
(2) Check following



5-2. In case of doesn't display the screen into specific mode

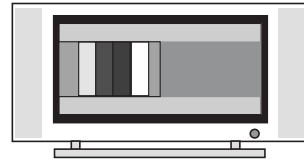
(1) Symptom

- The screen does not become the display from specific input mode (RF, AV, Component, RGB, DVI).

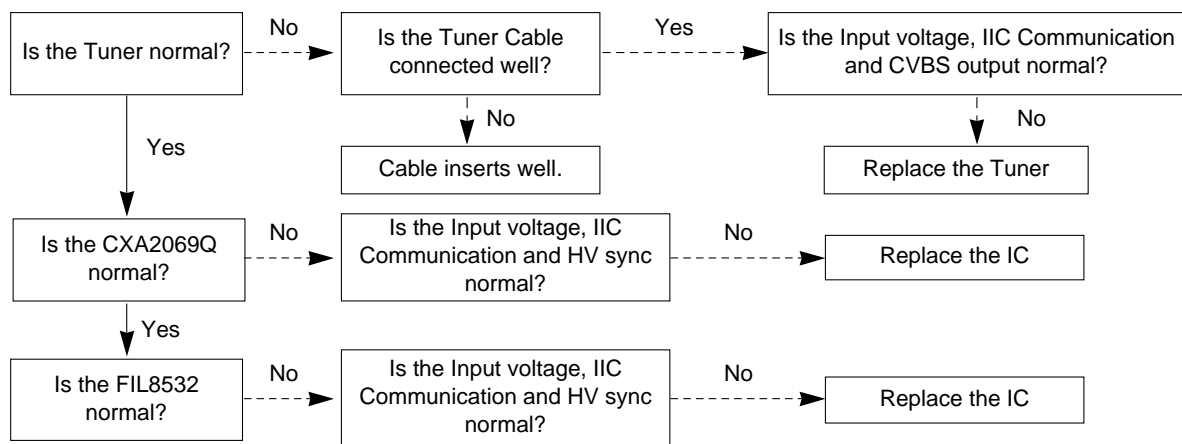


(2) Check following

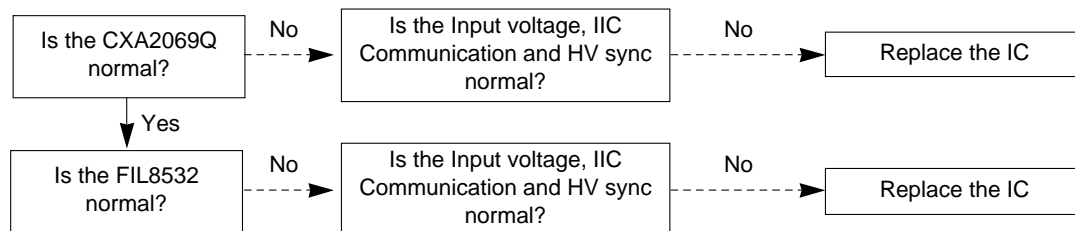
- Check the all input mode should become normality display.
- Check the Video(Main)/Data(Sub), Video(Main)/Video(Sub) should become normality display from the PIP mode or DW mode. (Re-Check it Swap)



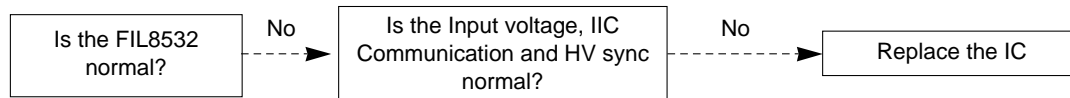
(3) In case of becomes unusual display from RF mode



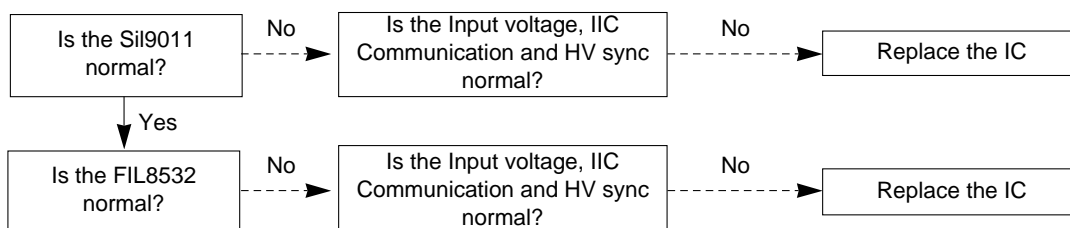
(4) In the case of becomes unusual display from RF, AV mode



(5) In the case of becomes unusual display from Component, RGB mode



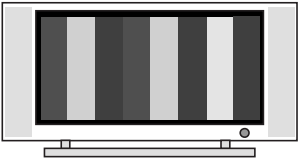
(6) In the case of becomes unusual display from HDMI mode



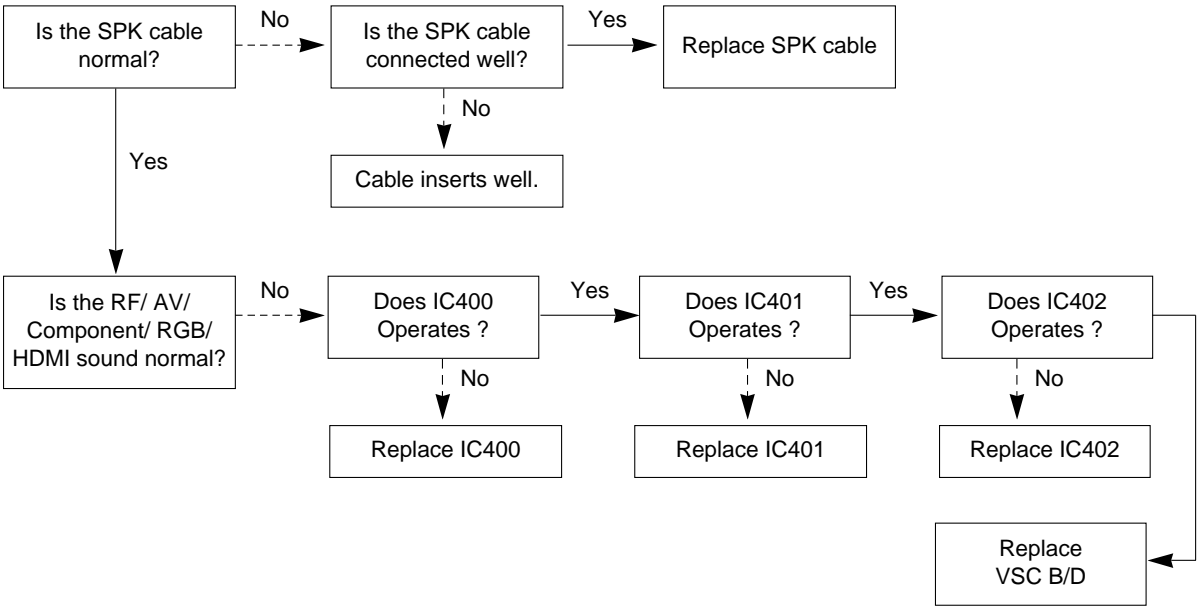
6. In case of no sound

(1) Symptom

- LED is green
- Screen display but sound is not output

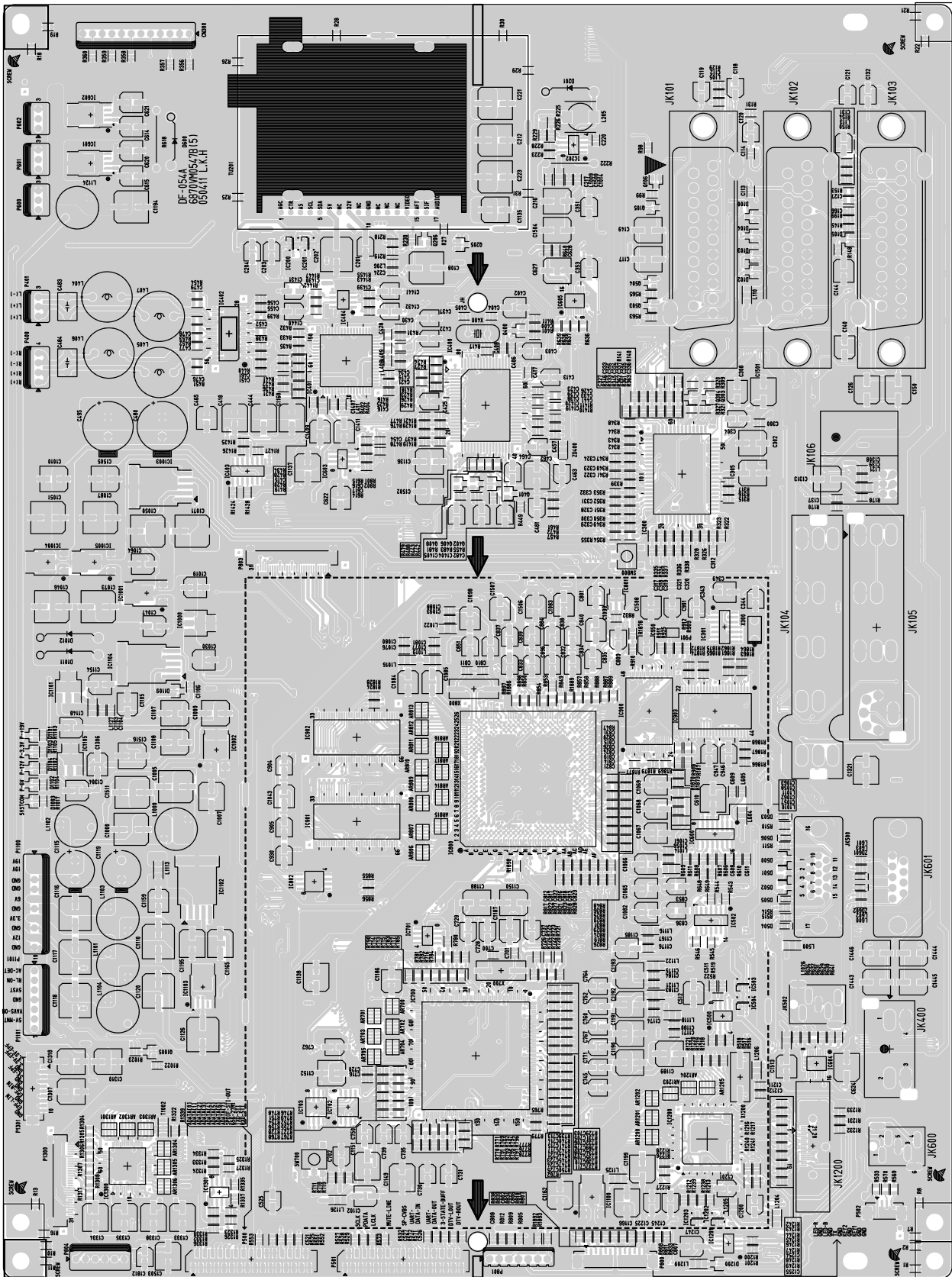


(2) Check following

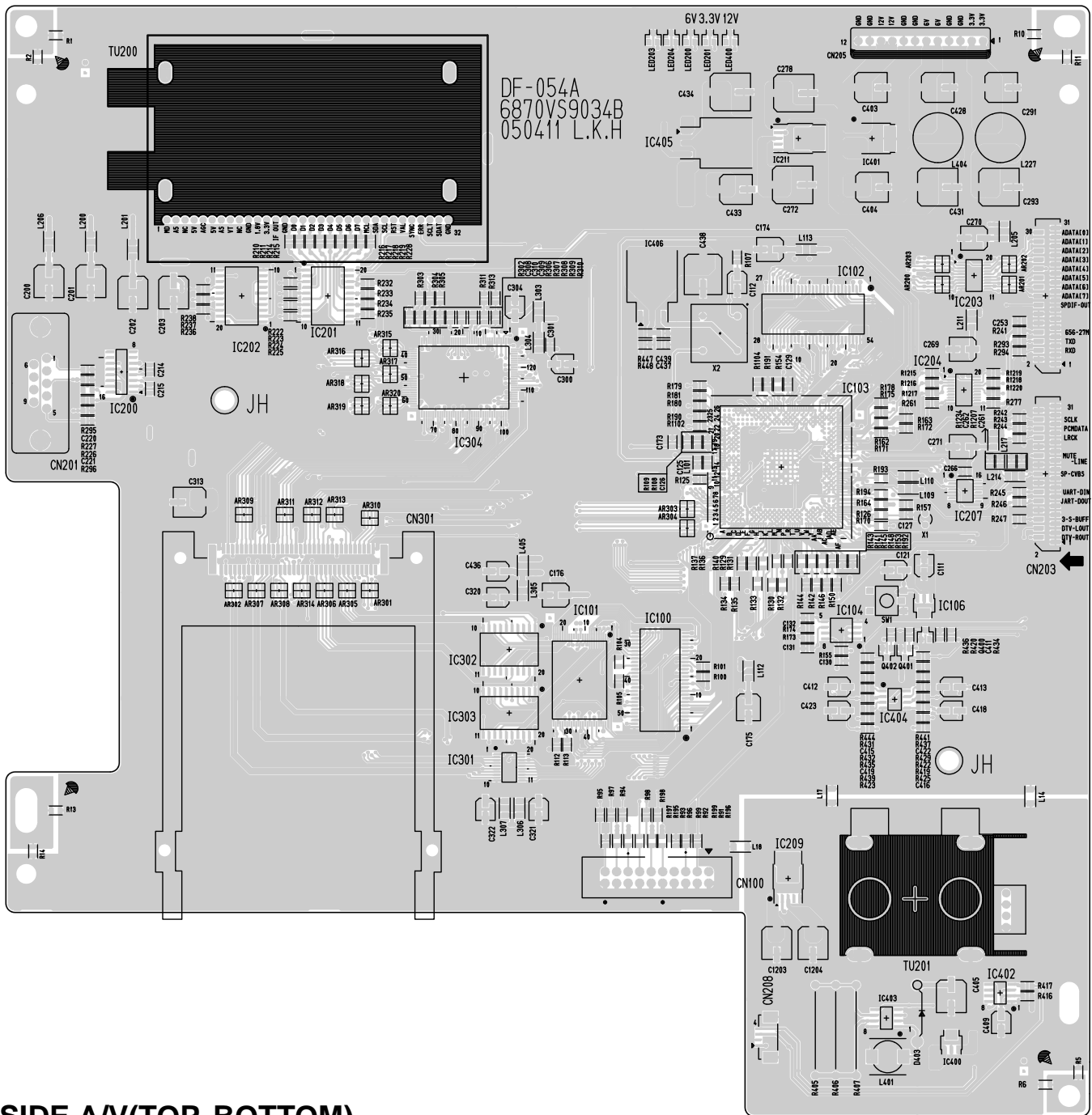


PRINTED CIRCUIT BOARD

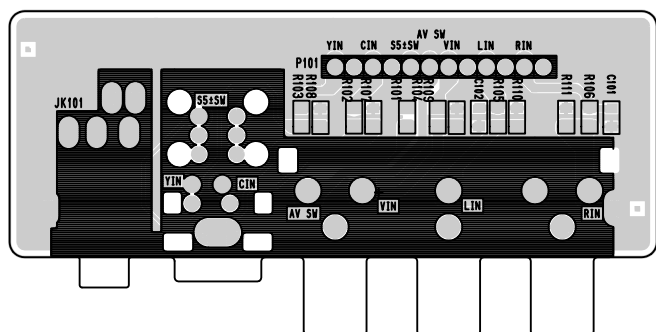
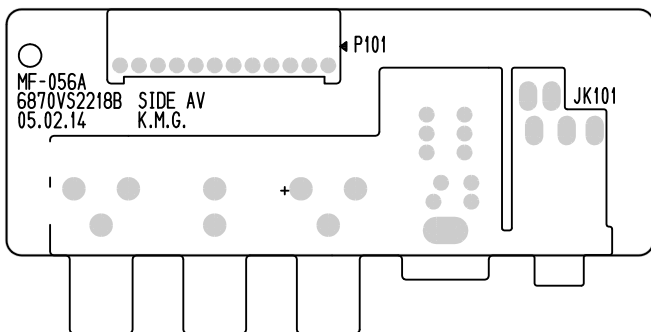
MAIN(TOP)



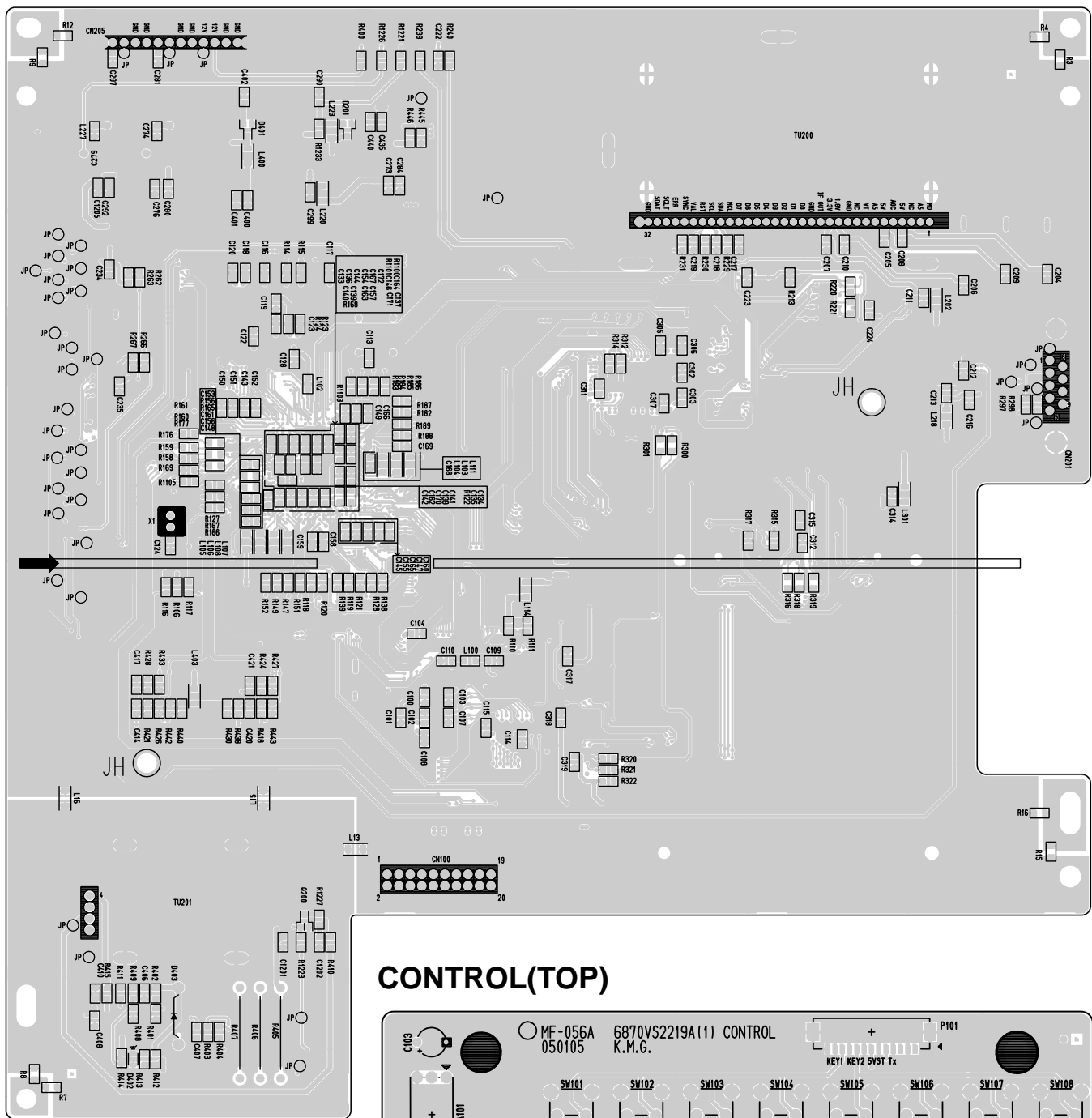
DIGITAL(TOP)



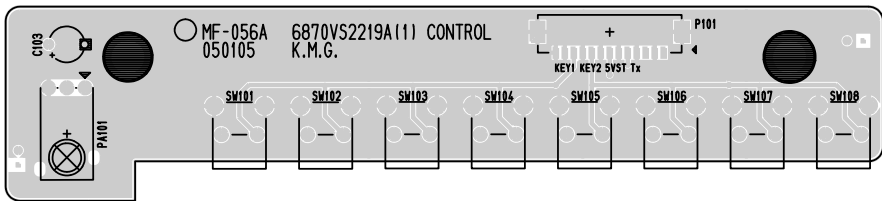
SIDE A/V(TOP, BOTTOM)



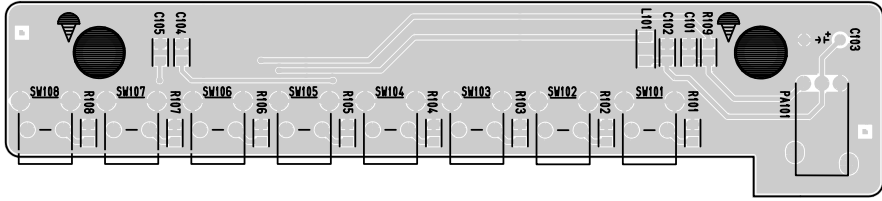
DIGITAL (BOTTOM)



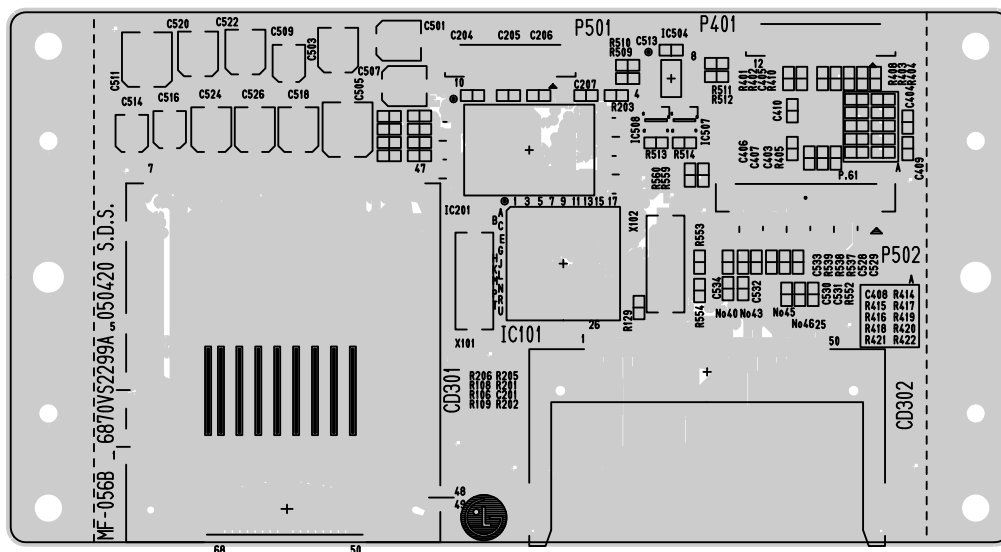
CONTROL(TOP)



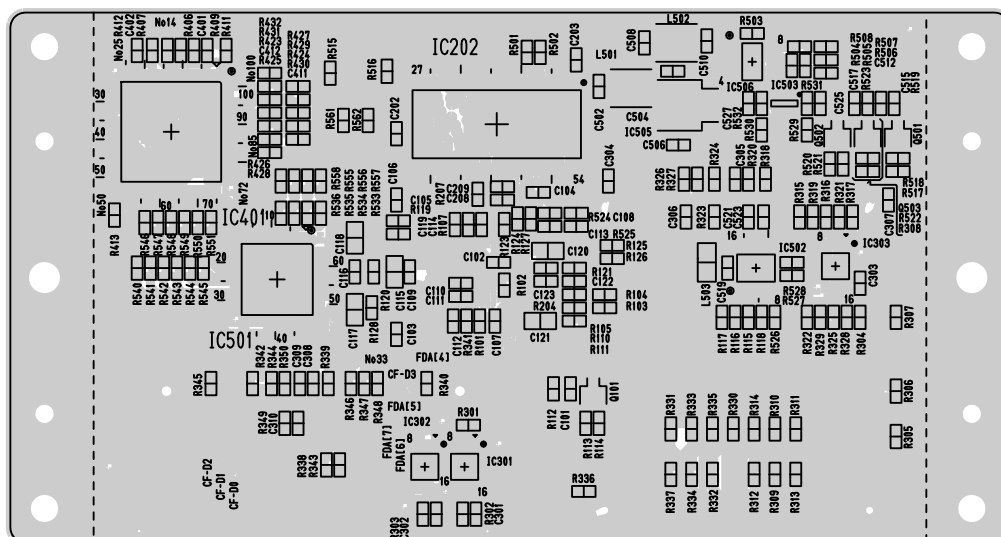
CONTROL(BOTTOM)



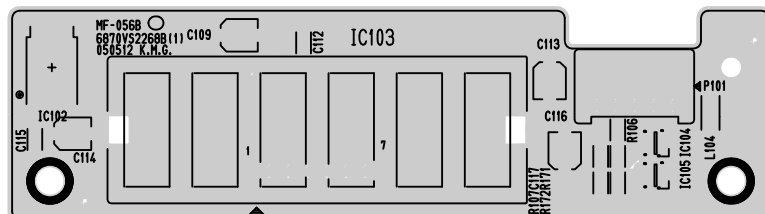
EPF (TOP)



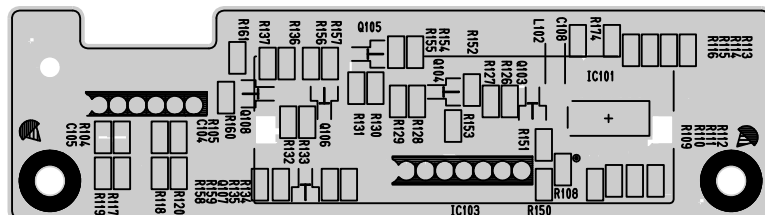
EPF (BOTTOM)



LED (TOP)

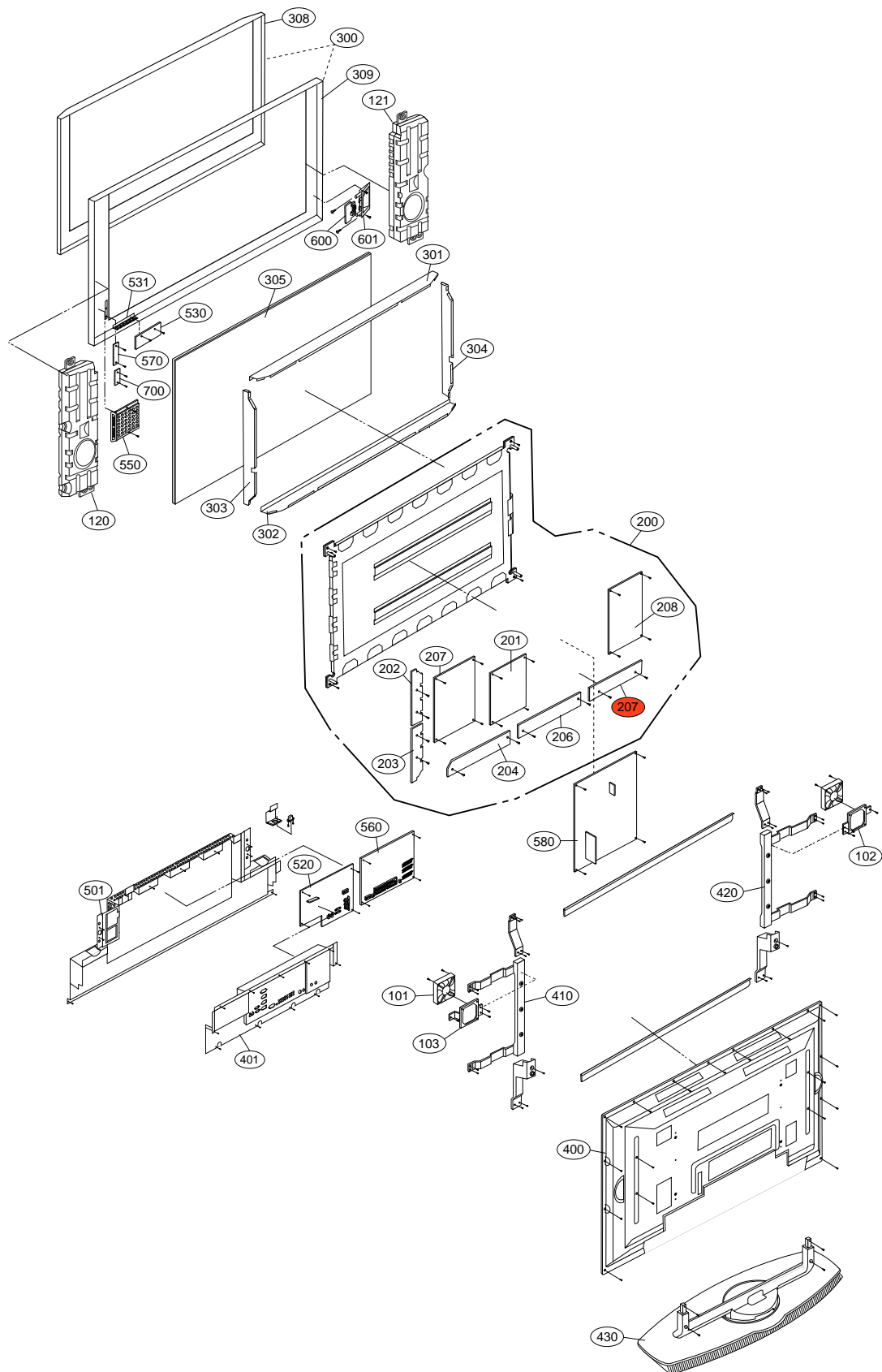


LED (BOTTOM)



[illegible]

EXPLODED VIEW



EXPLODED VIEW PARTS LIST

No.	Part No.	Descriptions
101	5900V12003B	FAN,DC D12025S SDS 120MM*120MM*25MM 12V/0.2A 1300 5V-13.2V RPM
102	4980V01018A	SUPPORTER, FAN EGI LEFT PDP DN-50PY10
103	4980V01017A	SUPPORTER, FAN EGI RIGHT PDP DN-50PY10
120	6401VD0024A	SPEAKER ASSEMBLY, FULL RANGE(R) RZ-42PX40 R
121	6401VD0025A	SPEAKER ASSEMBLY, FULL RANGE(L) RZ-42PX40 L
200	6348Q-C043J	PDP, 50" 1365*768 PDP50X30000.ADLGB
201	6871QCH059A	PWB(PCB) ASSEMBLY,DISPLAY CTRL ASSY HAND INSERT 50X3 LGPCM1224
202	6871QDH088A	PWB(PCB) ASSEMBLY,DISPLAY YDRV ASSY HAND INSERT 50X3 YDRV TOP
203	6871QDH089A	PWB(PCB) ASSEMBLY,DISPLAY YDRV ASSY HAND INSERT 50X3 YDRV BOTTOM
204	6871QLH049A	PWB(PCB) ASSEMBLY,DISPLAY XRLT ASSY HAND INSERT 50X3 X-LEFT(TCP)
205	6871QRH057A	PWB(PCB) ASSEMBLY,DISPLAY XRRT ASSY HAND INSERT 50X3 X-RIGHT (TCP)
206	6871QXH030A	PWB(PCB) ASSEMBLY,DISPLAY XRCT ASSY HAND INSERT _ 50X3 X-CENTER (TCP)
207	6871QYH039A	PWB(PCB) ASSEMBLY,DISPLAY YSUS ASSY HAND INSERT FOR 50X3
208	6871QZH044A	PWB(PCB) ASSEMBLY,DISPLAY ZSUS ASSY HAND INSERT FOR 50X3
300	3091V00740S	CABINET ASSEMBLY, 50PX4D-EB SKD
301	4980V01138C	SUPPORTER, ASSY AL FILTER TOP 50PX40 SKD
302	4980V01140C	SUPPORTER, ASSY AL FILTER BOT 50PX40 SKD
303	4980V01142C	SUPPORTER, ASSY AL FILTER SIDE(R) 50PX40 SKD
304	4980V01144C	SUPPORTER, ASSY AL FILTER SIDE(L) 50PX40 SKD
305	5230V00025A	FILTER(MECH), RZ-50PX10 LG CHEMICAL GLASS FILTER
308	3090V00635A	CABINET, 50PX40 PDP
309	3211V00186F	FRAME ASSEMBLY, FRONT 50PX4D-EB DI EPF
400	3809V00515H	BACK COVER ASSEMBLY, RZ-50PX41S SKD
401	3301V00090A	PLATE ASSEMBLY, AV 3300V00593A PLATE COVER SIDE 50PX4D-EB
410	4980V01194D	SUPPORTER, ASSY AL 50PX4D VERTICAL R X3 SKD
420	4980V01195D	SUPPORTER, ASSY AL 50PX4D VERTICAL L X3 SKD
430	3501V00209B	BOARD ASSEMBLY, ASSY SKD WITHOUT PACKING
501	3301V00086P	PLATE ASSEMBLY AV 3300V00539N 50PX4D-EB TUNER BOTTOM
520	6871VMMZZ4A	PWB(PCB) ASSEMBLY,MAIN DF-054B 50PX4D-EB MAIN B/D MANUAL
530	6871VSMG96A	PWB(PCB) ASSEMBLY,SUB DF054B 50PX4D-EB LOCAL KEY MANUAL
531	5020V01023B	BUTTON, CONTROL 50PX40 ABS, AF-303S 7KEY WHITE(8ABS020389)
550	31419SF052A	CHASSIS ASSEMBLY, SUB DF054B 50PX4D-EB EPF ASSY
560	6871VSMG95A	PWB(PCB) ASSEMBLY,SUB DF054B 50PX4D-EB DIGITAL MANUAL
570	6871VSMG98A	PWB(PCB) ASSEMBLY,SUB DF054B 50PX4D-EB INDEX ASSY
580	6709V00001A	POWER SUPPLY ASSEMBLY, PDP 50INCH AF05GA 480W 1H259W SANKEN 50 INCH LOW END PSU
600	6871VSMG97A	PWB(PCB) ASSEMBLY,SUB DF054B 50PX4D-EB SIDE A/V MANUAL
601	4811V00168G	BRACKET ASSEMBLYSIDE AV 50PX4R-TB SKD
700	6500VR0002A	SENSOR, YGCA-T068A LG INNOTEK AMBIENT LIGHT DIGITAL EYE SENSOR ASSY

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
IC					
IC100	0IMMRSS107B	K4S281632F-UC75,LF 54P,TSOP	IC405	0IMCRNS007C	LMS1587CS-ADJ 3P TO-263 R/TP 1.5V
IC1000	0IPRPM001A	MIC39100 MICREL 3P SOT223 R/TP	IC406	0IMCRNS007C	LMS1587CS-ADJ 3P TO-263 R/TP 1.5V
IC1001	0IMCRRH001A	BA033FP-E2 ROHM 3P-SOP,TO252-3	IC500	0IMMR00018A	24LC02BT-I/SNG(PB FREE) MICRO
IC1002	0IMCRFA010A	KA7809R, FAIRCHILD 2P D-PAK, R/TP	IC501	0IMCRTH002A	THC63LVD103 64P TQFP
IC1003	0IPMG00027A	SC156515M-1.8TR SEMTECH 5P/TO-263-5	IC502	0IPH741400E	74HC14D 14SOP TP SHITTER TRIGGER
IC1004	0IMCRRH001A	BA033FP-E2 ROHM 3P-SOP,TO252-3	IC502	0IPRPPH041A	UDA1334BTS PHILIPS SSOP 16P
IC1005	0IMCRRH001A	BA033FP-E2 ROHM 3P-SOP,TO252-3	IC505	0IMCRSJ001A	SC1565IST-1.8 SEMTECH 3P SOT223 TP
IC101	0IMI623200B	M62320FP,I/O EXPANDER 16P SOP TP	IC506	0IPMGS1012A	SC1592ISTRTP,PB FREE SEMTECH SOIC-8P
IC101	0IPRPAL005A	AT76C120-UI-OJZ208,PB FREE ATMEL 208P	IC600	0IPRP00009A	ICL3232CBNZ INTERSIL 16P/SOP
IC101	6927V1126AE	SOFT WARE, 3.03V 1966	IC601	0IPMGKE032A	KIA78R09F KEC 5PIN DPAK R/TP 1A,9V LDO
IC102	0IMCRFA015A	KA7805R FAIRCHILD 2P D-PAK R/TP	IC602	0IPMGKE032A	KIA78R09F KEC 5PIN DPAK R/TP 1A,9V LDO
IC102	0IMMRSS107B	K4S281632F-UC75,LF 54P,TSOP	IC603	0IPRPNS054A	LM75CIMX-3 8P/SOP R/TP TEMPERATURE SENSOR
IC103	0IMCRSG012A	STI5516SUC STM 416P BGA	IC604	0ITO741570C	TC74LCX157FT 16P,TSSOP TP
IC104	0IMMR00024A	24LC256T-I/SMG(PB FREE) MICRO	IC605	0ITO741570C	TC74LCX157FT 16P,TSSOP TP
IC106	0IKE702700D	KIA7027AF 3, SOT-89 TP RESET IC 2.7V	IC700	0IMCR02006A	FLI8125BB-LF GENESIS 208P/PQFP
IC1100	0IMCRRH001A	BA033FP-E2 ROHM 3P-SOP,TO252-3	IC701	0IMMR00023A	24LC32AT-I/SNG(PB FREE) MICRO
IC1101	0IPRPM001A	MIC39100 3P SOT223 R/TP LDO TYPE 2.5V	IC703	0IMMR00004A	SST25VF040-20-4C-S2AE-T SST SOIC 8P
IC1102	0IPMG00027A	SC156515M-1.8TR 5P/TO-263-5 R/TP 1.5A	IC800	0IMCR02005A	FLI8532BD-LF GENESIS 416P/PBGA
IC1103	0IPMGKE030A	KIA78R05F KEC 5PIN DPAK R/TP 1A,5V	IC802	0IMMR00024A	24LC256T-I/SMG(PB FREE) MICRO
IC1104	0IPMG00027A	SC156515M-1.8TR SEMTECH 5P/TO-263-5	IC900	692791029AB	SOFT WARE, 2.00V 752C PDP DF054B 50PX4D-EB
IC1105	0IPRPM001A	MIC39100 MICREL 3P SOT223 R/TP	IC901	0IMMR00002A	K4D261638F-LC50,LF TSOPII 66P
IC1200	0IPRPS0005A	SII9011CLU(PB FREE) SILICON IMAGE 128P	IC902	0IMMR00002A	K4D261638F-LC50,LF TSOPII 66P
IC1201	0IMMR00018A	24LC02BT-I/SNG(PB FREE)	S1	692791030AA	SOFT WARE, 2.00V EA34 PDP DF054B 42PX5D-EB
IC1300	0IMCRTH003A	THC63LVD104A 64P TQFP	TRANSISTOR		
IC200	0IPRP00009A	ICL3232CBNZ INTERSIL 16P/SOP	IC104	0TR830009BA	BSS83 TP PHILIPS N-CHANNEL S/W TR
IC201	0IPH742440F	74LVC244AD PHILIPS 20P SOP R/TP	IC105	0TR830009BA	BSS83 TP PHILIPS N-CHANNEL S/W TR
IC201	692791005AA	SOFT WARE, 1.32V CF37 PDP MF056B 42PX5R-TB	IC1202	0TR830009BA	BSS83 TP PHILIPS N-CHANNEL S/W TR
IC202	0IMMRHY038C	HY57V561620CT-H HYNIX 54PIN	IC1203	0TR830009BA	BSS83 TP PHILIPS N-CHANNEL S/W TR
IC202	0IPH742440F	74LVC244AD PHILIPS 20P SOP R/TP	IC200	0TR830009BA	BSS83 TP PHILIPS N-CHANNEL S/W TR
IC202	0IPMGON013B	MC34063ADR2G ON SEMI SO-8P R/TP	IC201	0TR830009BA	BSS83 TP PHILIPS N-CHANNEL S/W TR
IC203	0IMCRTI021A	SN74LVTH541PWR 20P TSSOP R/TP	IC503	0TR830009BA	BSS83 TP PHILIPS N-CHANNEL S/W TR
IC204	0IMCRTI021A	SN74LVTH541PWR 20P TSSOP R/TP	IC503	0TRON80020A	NUS2401SNT1G,PNP/NPN DIGITAL
IC207	0ITO741570C	TC74LCX157FT 16P,TSSOP TP QUAD	IC504	0TR830009BA	BSS83 TP PHILIPS N-CHANNEL S/W TR
IC211	0IPMGKE030A	KIA78R05F KEC 5PIN DPAK R/TP 1A,5V	Q100	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC300	0ISO206900A	CXA2069Q QFP64 BK I2C BUS AV S/W	Q1000	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC301	0ISA721700C	LA7217M MFP14 TP SYNC SEPARATOR	Q1001	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC301	0ISTL00002A	SN74CBTLV3257DGVR 16P,TVSOP	Q1002	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC301	0ISTLPH048A	74LVC245APW PHILIPS 20 TSSOP	Q1003	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC302	0IPH743730E	74HCT373 D 20SOP R/TP	Q1004	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC302	0ISTL00002A	SN74CBTLV3257DGVR 16P,TVSOP	Q101	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC303	0IPH743730E	74HCT373 D 20SOP R/TP	Q101	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC303	0ISTL00002A	SN74CBTLV3257DGVR 16P,TVSOP	Q102	0TR102008AA	KRA102S R/TP KEC SOT23TR
IC304	0IMCR02020A	AT90FJR-5VTX(CIMAX-TM) ATMEL	Q103	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC400	0IMCRMN028B	MSP4410K MICRONAS 80P/PQFP	Q103	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC401	0IMCRAT005A	EPM3128ATC100-10 ALTERA 100P	Q104	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC401	0IMCRFA010A	KA7809R, FAIRCHILD 2P D-PAK, R/TP	Q104	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC401	0IMCRNL001A	NSP-6241B NEOFIDELITY 64P TQFP	Q105	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC402	0IMCRTI028C	TAS5122DCARG4,LF 56P/TSSOP R/TP	Q105	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC403	0IPH741400E	74HC14D 14SOP TP SHITTER TRIGGER	Q106	0TR102008AA	KRA102S R/TP KEC SOT23TR
IC404	0ISS455880A	KA4558D 8SOP OP AMP	Q106	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC404	0ISS455880A	KA4558D 8SOP OP AMP	Q107	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
			Q108	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC

For Capacitor & Resistors, the characters at 2nd and 3rd digit in the P/No. means as follows;	CC, CX, CK, CN : Ceramic CQ : Polyester CE : Electrolytic	RD : Carbon Film RS : Metal Oxide Film RN : Metal Film RF : Fusible
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LOCA. NO	PART NO	DESCRIPTION
Q1200	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q201	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q202	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q203	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q204	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q205	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q206	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q207	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q300	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q301	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q302	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q303	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q304	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q305	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q306	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q307	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q400	0TR102008AA	KRA102S R/TP KEC SOT23TR
Q400	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q401	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q401	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q402	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q402	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q403	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q404	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q405	0TR102008AA	KRA102S R/TP KEC SOT23TR
Q406	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q407	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q408	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q409	0TR102008AA	KRA102S R/TP KEC SOT23TR
Q410	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q411	0TR102008AA	KRA102S R/TP KEC SOT23TR
Q413	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q414	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q501	0TFON80009A	NTS2101PT1G,P-CHANNEL,PB
Q502	0TFON80004C	NTR4501NT1G,N-CHANNEL,PB
Q502	0TFON80009A	NTS2101PT1G,P-CHANNEL,PB
Q503	0TFON80009A	NTS2101PT1G,P-CHANNEL,PB
Q503	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q504	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
DIODE		
D100	0DD226239AA	KDS226 TP KEC
D1005	0DD226239AA	KDS226 TP KEC
D1006	0DD226239AA	KDS226 TP KEC
D1007	0DD226239AA	KDS226 TP KEC
D1008	0DD226239AA	KDS226 TP KEC
D1009	0DD226239AA	KDS226 TP KEC
D101	0DD226239AA	KDS226 TP KEC
D1010	0DD226239AA	KDS226 TP KEC
D1011	0DD200009AF	RU2M V(1) TP R-TMD 400V 1.1A 20A 0.4US 10UA
D1012	0DD200009AF	RU2M V(1) TP R-TMD 400V 1.1A 20A 0.4US 10UA
D102	0DD226239AA	KDS226 TP KEC

LOCA. NO	PART NO	DESCRIPTION
D103	0DD226239AA	KDS226 TP KEC
D104	0DD226239AA	KDS226 TP KEC
D105	0DD226239AA	KDS226 TP KEC
D109	0DD226239AA	KDS226 TP KEC
D110	0DD226239AA	KDS226 TP KEC
D1100	0DD226239AA	KDS226 TP KEC
D1105	0DD226239AA	KDS226 TP KEC
D1106	0DD226239AA	KDS226 TP KEC
D1107	0DD226239AA	KDS226 TP KEC
D1109	0DD226239AA	KDS226 TP KEC
D111	0DD226239AA	KDS226 TP KEC
D1110	0DD226239AA	KDS226 TP KEC
D1200	0DD184009AA	KDS184 TP KEC - 85V - 300MA
D201	0DD226239AA	KDS226 TP KEC
D201	0DS113379BA	1SS133 T-72 TP ROHM KOREA DO34 90V
D300	0DD226239AA	KDS226 TP KEC
D401	0DD226239AA	KDS226 TP KEC
D500	0DD226239AA	KDS226 TP KEC
D501	0DD226239AA	KDS226 TP KEC
D502	0DD226239AA	KDS226 TP KEC
D504	0DR050008AA	SD05.TC R/TP SEMTECH SOD323 5V 5A 15A
D505	0DR050008AA	SD05.TC R/TP SEMTECH SOD323 5V 5A 15A
D506	0DR050008AA	SD05.TC R/TP SEMTECH SOD323 5V 5A 15A
D600	0DD100009AM	EU1ZV(1) TP E/EO-TMD 200V 0.25A 15A 0.4US 10UA
ZD100	0DR050008AA	SD05.TC R/TP SEMTECH SOD323 5V 5A 15A
ZD101	0DR050008AA	SD05.TC R/TP SEMTECH SOD323 5V 5A 15A
ZD102	0DR050008AA	SD05.TC R/TP SEMTECH SOD323 5V 5A 15A
ZD301	0DR050008AA	SD05.TC R/TP SEMTECH SOD323 5V 5A 15A
ZD302	0DR050008AA	SD05.TC R/TP SEMTECH SOD323 5V 5A 15A
ZD400	0DZRM00248A	RLZ8.2B-TE11 ROHM R/TP LLDS(LL-34) 500MW
ZD600	0DR050008AA	SD05.TC R/TP SEMTECH SOD323 5V 5A 15A
CAPACITOR		
C1000	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1005	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1007	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1009	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C101	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1010	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1019	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C102	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C103	0CE4763F618	47UF SRE,SE 16V 20% FL TP 5
C103	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1030	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C104	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1043	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1046	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1047	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C105	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1050	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1051	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C106	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R

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	CQ : Polyester	RS : Metal Oxide Film
	CE : Electrolytic	RN : Metal Film
		RF : Fusible

LOCA. NO	PART NO	DESCRIPTION
C1064	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1065	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1066	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1067	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1068	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1069	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C107	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1071	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1073	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C108	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C108	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1082	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1083	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1084	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1085	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1087	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C109	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C109	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1098	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1099	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C110	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1102	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1105	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1107	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1108	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C111	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C111	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1110	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1115	0CE477DJ618	470UF STD 35V 20% FL TP 5
C1116	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1117	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C1118	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1119	0CE477DJ618	470UF STD 35V 20% FL TP 5
C112	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP
C112	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1120	0CE227VF6DC	220UF MV 16V 20% R/TP(SMD) SMD
C1126	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C113	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C113	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1135	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1136	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1137	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1138	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C114	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C114	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1148	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1149	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1150	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1151	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1154	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1159	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C116	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD

LOCA. NO	PART NO	DESCRIPTION
C116	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1160	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1162	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1165	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1166	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C117	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C118	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C1185	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1186	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1187	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1188	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1189	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C119	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C119	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1190	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1191	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1192	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1193	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1195	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1199	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C120	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C1200	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C1201	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C121	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C121	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP
C122	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C1225	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C123	0CC102CK41A	1000PF 1608 50V 5% R/TP NP0
C1230	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP
C1231	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP
C1245	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C1247	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C126	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C1304	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1306	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1307	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C131	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C1310	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1313	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1318	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C132	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD
C1321	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1333	0CE336VF6DC	33UF MV 16V 20% R/TP(SMD) SMD
C1334	0CE336VF6DC	33UF MV 16V 20% R/TP(SMD) SMD
C1335	0CE336VF6DC	33UF MV 16V 20% R/TP(SMD) SMD
C1338	0CE336VF6DC	33UF MV 16V 20% R/TP(SMD) SMD
C140	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1404	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C1405	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C1431	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP
C1432	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP
C144	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP

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LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
C1440	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP	C293	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD
C1441	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP	C300	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C1443	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD	C301	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1444	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD	C302	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1445	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD	C302	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1446	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD	C303	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C149	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD	C304	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C150	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD	C304	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C1501	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP	C304	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1502	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP	C305	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C1503	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP	C305	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1504	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP	C306	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1505	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP	C307	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1506	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP	C308	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C1507	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP	C308	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1508	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP	C309	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C1511	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD	C312	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C1513	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP	C313	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD
C1513	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD	C316	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C1516	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP	C317	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C174	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP	C319	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C175	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP	C320	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C176	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP	C321	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C1812	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD	C322	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C200	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD	C324	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C201	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD	C327	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C201	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP	C328	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C201	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R	C332	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C202	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD	C335	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C202	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD	C338	0CK225DFK4A	2.2UF 2012 16V 20%,-20% F(Y5V) R/TP
C202	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R	C343	0CE105SK6DC	1UF MVG 50V 20% SMD R/TP
C203	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD	C344	0CE105SK6DC	1UF MVG 50V 20% SMD R/TP
C203	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD	C349	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C203	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R	C351	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C204	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP	C353	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP
C204	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R	C402	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C205	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R	C403	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C206	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R	C403	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C207	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R	C404	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C208	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R	C404	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C209	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R	C405	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C212	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD	C406	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C216	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP	C407	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C221	0CE476VK6DC	47UF MV 50V 20% R/TP(SMD) SMD	C408	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C223	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD	C409	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C269	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP	C410	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C270	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP	C412	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP
C271	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP	C412	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C271	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP	C413	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP
C272	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD	C413	0CE335VK6DC	3.3UF MV 50V 20% R/TP(SMD) SMD
C278	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD	C418	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP
C291	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD	C418	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP

For Capacitor & Resistors, the characters at 2nd and 3rd digit in the P/No. means as follows;	CC, CX, CK, CN : Ceramic	RD : Carbon Film
	CQ : Polyester	RS : Metal Oxide Film
	CE : Electrolytic	RN : Metal Film
		RF : Fusible

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
C422	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD	C522	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C423	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP	C523	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C425	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP	C524	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C428	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD) SMD	C525	0CE106SH6DC	10UF MVG 25V 20% SMD R/TP
C431	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD	C525	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C433	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP	C526	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C434	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD	C527	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C436	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP	C528	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C437	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD	C529	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C438	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD) SMD	C530	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C444	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP	C531	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C451	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP	C532	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C456	0CK105DF64A	1UF 2012 16V 20% F(Y5V) R/TP	C533	0CK103CK56A	0.01UF 1608 50V 10% R/TP X7R
C457	0CE335VK6DC	3.3UF MV 50V 20% R/TP(SMD) SMD	C534	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R
C462	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP	C610	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C463	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD	C614	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C464	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD) SMD	C615	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C465	0CE106SK6DC	10UF MVG 50V 20% SMD R/TP	C620	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C480	0CE108DJ618	1000UF STD 35V M FL TP5	C621	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C481	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP	C622	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
C482	0CE475SK6DC	4.7UF MVG 50V 20% SMD R/TP	C624	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C483	0CF4741L438	0.47UF D 63V 5% TP 5 M/PE NI	C627	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
C484	0CF4741L438	0.47UF D 63V 5% TP 5 M/PE NI	C728	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C495	0CE108DJ618	1000UF STD 35V M FL TP5	C729	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C501	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP	C730	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C502	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R	C731	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C503	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP	C735	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C503	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP	C737	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C504	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R	C739	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C505	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP	C745	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C505	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP	C750	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C506	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R	C752	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C507	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP	C760	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C508	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R	C762	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C509	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP	C764	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C510	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R	C767	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C511	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP	C771	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C511	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP	C832	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C512	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP	C833	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C512	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R	C834	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C513	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R	C835	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C514	0CE105VK6DC	1UF MV 50V 20% R/TP(SMD) SMD	C836	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C515	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R	C837	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C516	0CE105VK6DC	1UF MV 50V 20% R/TP(SMD) SMD	C838	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C517	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R	C839	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C518	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP	C840	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C518	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP	C851	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C519	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R	C853	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C520	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP	C884	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C520	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP	C896	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C521	0CK104CF56A	0.1UF 1608 16V 10% R/TP X7R	C901	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C522	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP	C904	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP

For Capacitor & Resistors, the characters at 2nd and 3rd digit in the P/No. means as follows;	CC, CX, CK, CN : Ceramic CQ : Polyester CE : Electrolytic	RD : Carbon Film RS : Metal Oxide Film RN : Metal Film RF : Fusible
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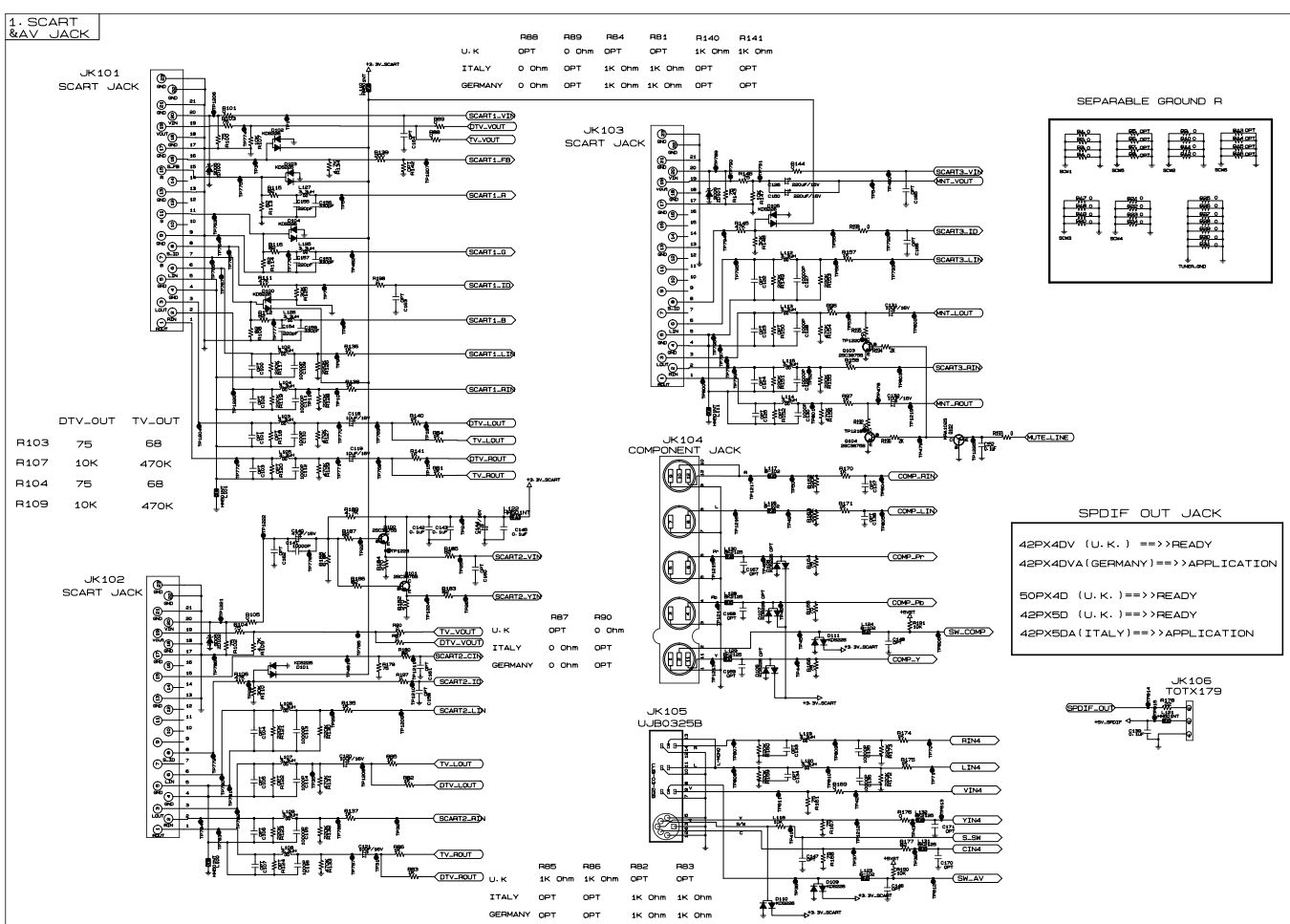
LOCA. NO	PART NO	DESCRIPTION
C905	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C930	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
C950	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
COIL		
L1000	6140VB0004B	26UH 1UEWPHY 22.5TURN YL-9N 0.4
L1101	6140VB0004B	26UH 1UEWPHY 22.5TURN YL-9N 0.4
L1102	6140VB0004B	26UH 1UEWPHY 22.5TURN YL-9N 0.4
L1103	6140VB0004B	26UH 1UEWPHY 22.5TURN YL-9N 0.4
L1104	6140VB0004B	26UH 1UEWPHY 22.5TURN YL-9N 0.4
L1124	6140VB0004B	26UH 1UEWPHY 22.5TURN YL-9N 0.4
L227	6140VB0004B	26UH 1UEWPHY 22.5TURN YL-9N 0.4
L404	6140VB0004B	26UH 1UEWPHY 22.5TURN YL-9N 0.4
L404	6140VB0024A	LPK-1322A SOOJUNG 22UH +-10%
L405	6140VB0024A	LPK-1322A SOOJUNG 22UH +-10%
L406	6140VB0024A	LPK-1322A SOOJUNG 22UH +-10%
L407	6140VB0024A	LPK-1322A SOOJUNG 22UH +-10%
L503	6140VB0003A	LQH31CN4R7M01L 4.7UH .PHY .TURN
CONNECTOR		
C1	387-G06P	6P 2.5MM 1000MM H-H UL1007AWG26
C2	387-G07P	7P 2.5MM 1000MM H-H UL1007AWG26
C3	387-J12N	12P 2.5MM 900MM H-H UL1185AWG26
C4	6630CE00168	10003526-150CALF FCI 68P 1.0MM
C5	6631V00045B	10P SPECIAL 150MM H-H UL1007AWG24
C6	6631V10008A	31P 1.0MM 50MM F-F UL2896
C7	6631V12009B	4P 1.25MM 150MM H-H UL1061AWG26
C8	6631V12036N	10P 1.25MM 900MM H-H UL1533AWG28
C9	6631V12042N	13P 1.25MM 900MM H-H UL1007AWG28
C10	6631V25032L	3P 2.5MM 700MM H-H UL1007 AWG26
C11	6631V25051G	4P 2.5MM 400MM H-H UL1007 AWG26
C12	6631V25083C	7P 2.5MM 200MM H-H UL1007AWG24
C13	6631V25084B	12P 2.5MM 150MM H-H UL1007AWG24
C14	6631V39015E	4P 3.96MM 300MM H-H UL1007AWG18
C15	6631V39016E	10P 3.96MM 300MM H-H UL1007AWG18
CARD301	6630C00010B	152-1001005000-CV TAI SOL 68P 0.7MM
CARD302	6630C00012C	149-1110012901 TAI SOL 50P 0.635MM
CD301	6630C00010B	152-1001005000-CV TAI SOL 68P 0.7MM
CD302	6630C00012C	149-1110012901 TAI SOL 50P 0.635MM
JK500	6630G70016A	A03-7071-094 SPG 15P 2.29MM
JK601	6630G70017A	A02-0915-101 SPG 9P 2.54MM
RESISTOR		
AR1200	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR1201	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR1202	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR1203	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR1204	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR1205	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR1301	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR1302	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR1303	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES

LOCA. NO	PART NO	DESCRIPTION
AR1304	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR1305	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR1306	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR200	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR200	0RRZVTA001E	1/16 W 100OHM 1608 5% R/TP (DC-026A)
AR201	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR201	0RRZVTA001E	1/16 W 100OHM 1608 5% R/TP (DC-026A)
AR202	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR202	0RRZVTA001E	1/16 W 100OHM 1608 5% R/TP (DC-026A)
AR203	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR203	0RRZVTA001E	1/16 W 100OHM 1608 5% R/TP (DC-026A)
AR301	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR302	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR303	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR304	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR305	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR306	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR307	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR308	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR309	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR310	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR311	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR312	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR313	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR314	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR315	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR316	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR317	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR318	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR319	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR320	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR700	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR701	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR702	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR703	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR704	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR705	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/TP 4P E24 SERIES
AR806	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51 OHM 5%51 OHM*4
AR807	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51 OHM 5%51 OHM*4
AR808	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51 OHM 5%51 OHM*4
AR809	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51 OHM 5%51 OHM*4
AR810	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51 OHM 5%51 OHM*4
AR811	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51 OHM 5%51 OHM*4
AR812	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51 OHM 5%51 OHM*4
AR813	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51 OHM 5%51 OHM*4
AR814	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51 OHM 5%51 OHM*4
AR815	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51 OHM 5%51 OHM*4
AR816	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51 OHM 5%51 OHM*4
AR817	0RRZVTA001B	MNR14-E0A-J-510 R OHM 51 OHM 5%51 OHM*4
R222	0RD0331H609	3.3 OHM 1/2 W 5.00% TA52
R618	0RD0152H609	15 OHM 1/2 W 5.00% TA52

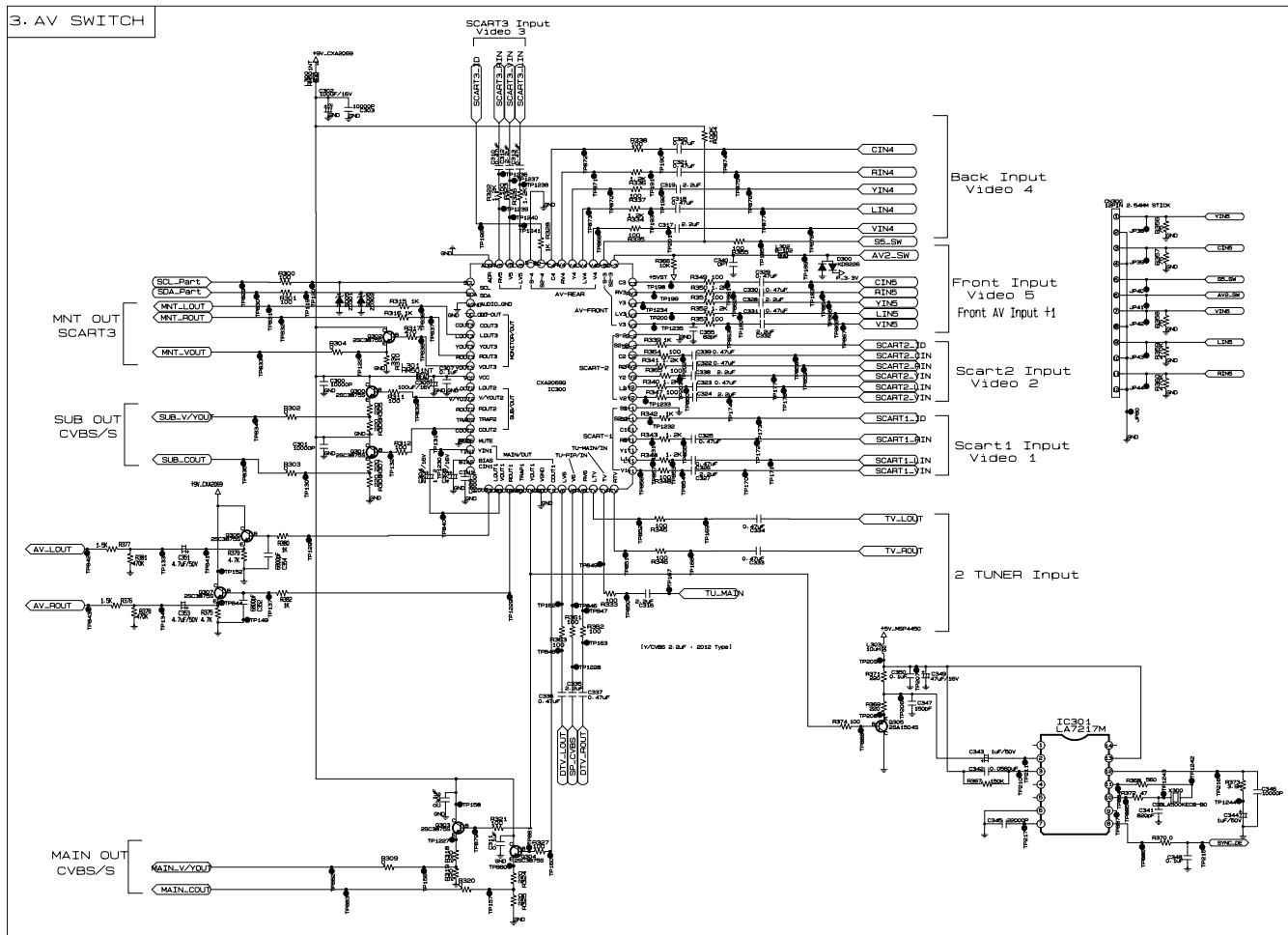
LOCA. NO	PART NO	DESCRIPTION
L121	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L122	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L123	6200JB8010L	MLB-201209-1000L-N2 R/TP 1000OHM 350MA
L124	6200JB8010L	MLB-201209-1000L-N2 R/TP 1000OHM 350MA
L128	6210VC0005A	BK2125 HS 750 2X1.25X0.85MM R/TP
L129	6210VC0005A	BK2125 HS 750 2X1.25X0.85MM R/TP
L13	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L130	6210VC0005A	BK2125 HS 750 2X1.25X0.85MM R/TP
L1301	6200JB8010L	MLB-201209-1000L-N2 R/TP 1000OHM 350MA
L131	6210VC0005A	BK2125 HS 750 2X1.25X0.85MM R/TP
L132	6210VC0005A	BK2125 HS 750 2X1.25X0.85MM R/TP
L14	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L15	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L16	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L17	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L18	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L200	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L201	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L202	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L202	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L203	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L204	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L205	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L206	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L211	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L217	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L218	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L220	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L300	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L301	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L301	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L302	6200JB8010L	MLB-201209-1000L-N2 R/TP 1000OHM 350MA
L303	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L304	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L305	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L306	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L307	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L400	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L400	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L401	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L402	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L403	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L403	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L405	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L408	6200JB8010L	MLB-201209-1000L-N2 R/TP 1000OHM 350MA
L409	6200JB8010L	MLB-201209-1000L-N2 R/TP 1000OHM 350MA
L410	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L411	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L414	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L500	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L501	6200VJT006A	STC222D NIIGATA 50VOLT 4A 2200PF
L502	6200JB8010L	MLB-201209-1000L-N2 R/TP 1000OHM 350MA

LOCA. NO	PART NO	DESCRIPTION
L502	6200VJT006A	STC222D NIIGATA 50VOLT 4A 2200PF
L503	6200JB8010L	MLB-201209-1000L-N2 R/TP 1000OHM 350MA
L506	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L508	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L604	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L606	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L607	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
L800	6210VC0006A	FBMH3216 HM501NT 3.2X1.6X1.6MM R/TP
X1	6212AA2998A	RESONATOR,CRYSTAL HLX-308 32.768KHZ
X101	6202VDT002A	RESONATOR,CRYSTAL SX-1SMD 12.0MHZ
X102	6212AB2851A	RESONATOR,CRYSTAL ABL5-18.5625MHZ
X1200	6212AB2845A	RESONATOR,CRYSTAL ABL5-27.000MHZ
X300	166-E02F	RESONATOR,CERAMIC CSBLA500KECF09
X400	156-A02M	RESONATOR,CRYSTAL HC49U 18.432MHZ
X700	6212AB2844A	RESONATOR,CRYSTAL ABL5-19.6608MHZ
X800	6212AB2844A	RESONATOR,CRYSTAL ABL5-19.6608MHZ
JACK		
JK101	6612J00043C	UPJ-R1-031 S/T,SCART,SHIELD,SPRING
JK101	6613V00026A	UJB-03-28A 6613V00004S
JK102	6612J00043C	UPJ-R1-031 S/T,SCART,SHIELD,SPRING
JK103	6612J00043C	UPJ-R1-031 S/T,SCART,SHIELD,SPRING
JK104	6612J10012A	UJB-05-02C GR/BL/RD/WH/RD 1*5 SHIELD
JK105	6612J00038B	UJB-03-25B 6612J00038A+RED S/W+SHIELD
JK1200	6612B00015B	DC1R019WDH JAE 0.5MM,19PIN+2PIN,HDMI S/T
JK400	6612J00037A	UJB-02-12A 2P RCA VERTICAL+SHIELD
JK502	6612F00087A	UEJ-CV-032 EAR JACK 10MM
JK600	6612F00087A	UEJ-CV-032 EAR JACK 10MM
ACCESSORIES		
A1	3828VA0578A	MANUAL, 50PX4D LG EN 141R TX
A2	6710V00141W	REMOTE CONTROLLER,FILTER GLASS, EPF
A3	6410VBH003C	POWER CORD, MP5004(13A)+V1625
A4	4972V00178A	FIXER, WALL ASSY PDP SET
MISCELLANEOUS		
C16	6850J00005C	CABLE,DVI LVDS UL20276 AWG30 600MM
C17	6850J00005D	CABLE,DVI LVDS UL20276 AWG30 800MM
C18	6851V00022E	CABLE,COAXIAL COAXIAL(300MM),UL1365#26 VW-1
C19	6851V00022H	CABLE,COAXIAL COAXIAL CALBE UL1365#VW-1
PA101	6712000010A	REMOTE CONTROLLER RECEIVER,KSM913TC1E
TU200	6700DP0001A	TUNER, TDFB-G235P LG INOTEK DVB/PAL
TU201	6634D00009D	ADAPTER,RF TASA-G202D 75 OHM 2 IN 2 OUT
TU201	6700MF0012C	TUNER, TAFM-W103PPHONO ONLY
X2	6204V00001H	OSCILLATOR, VCXO HALF 27.0HZ

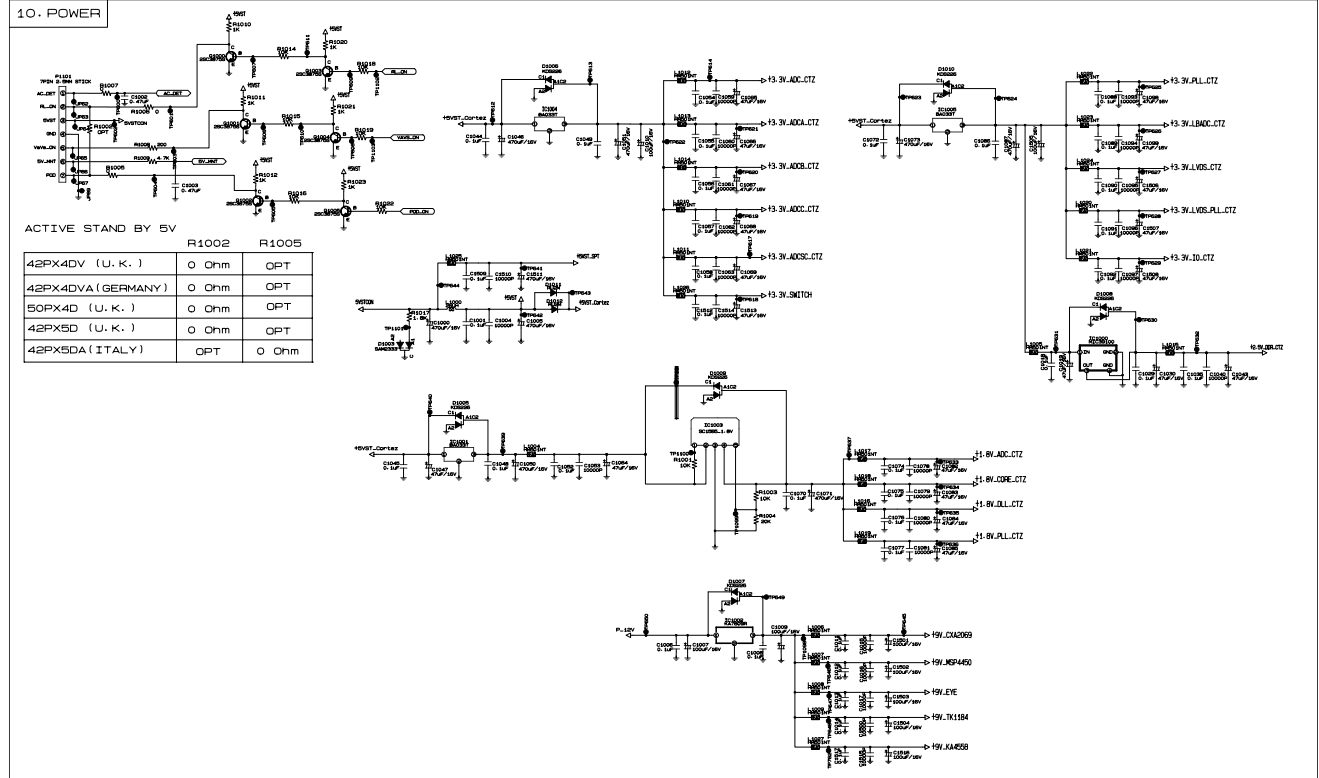
1. SCART
&AV JACK



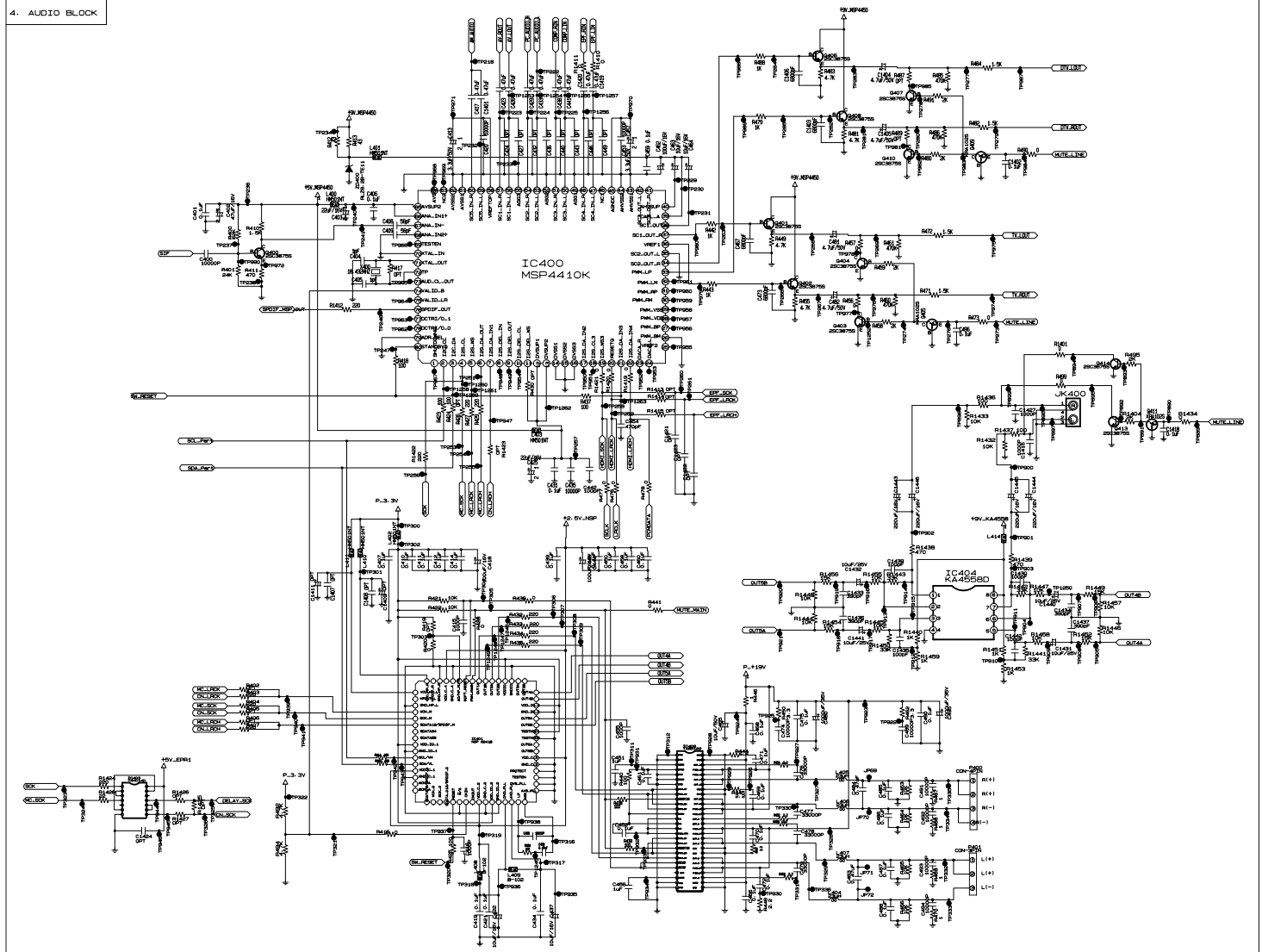
3. AV SWITCH



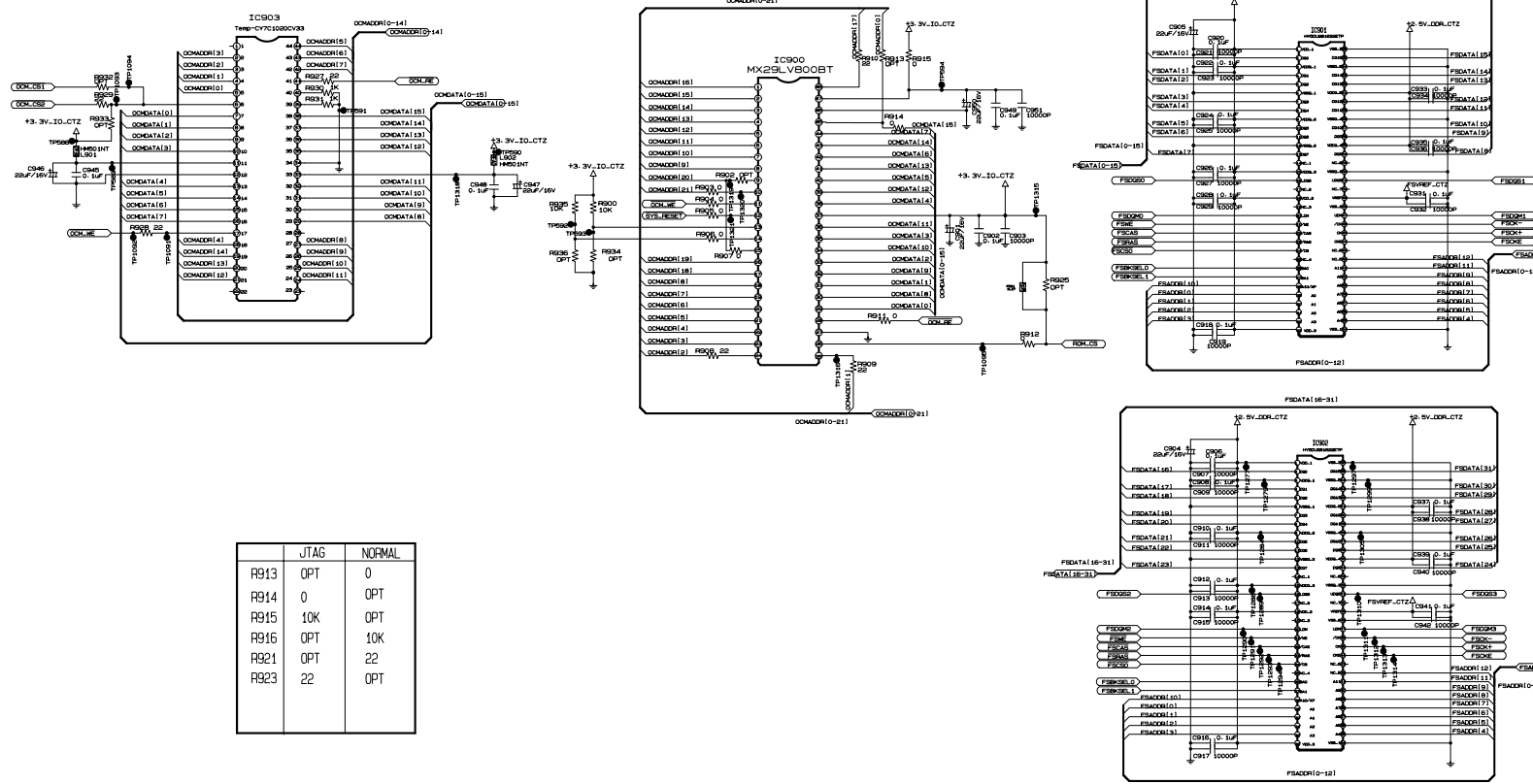
10. POWER



4. AUDIO BLOCK



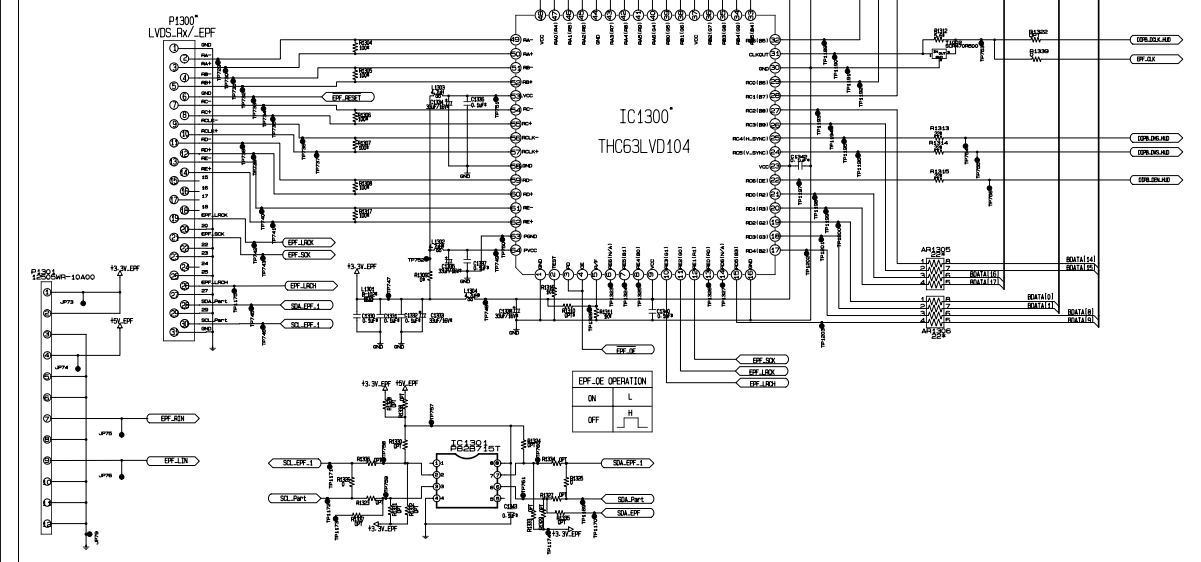
9. DDR MEMORY



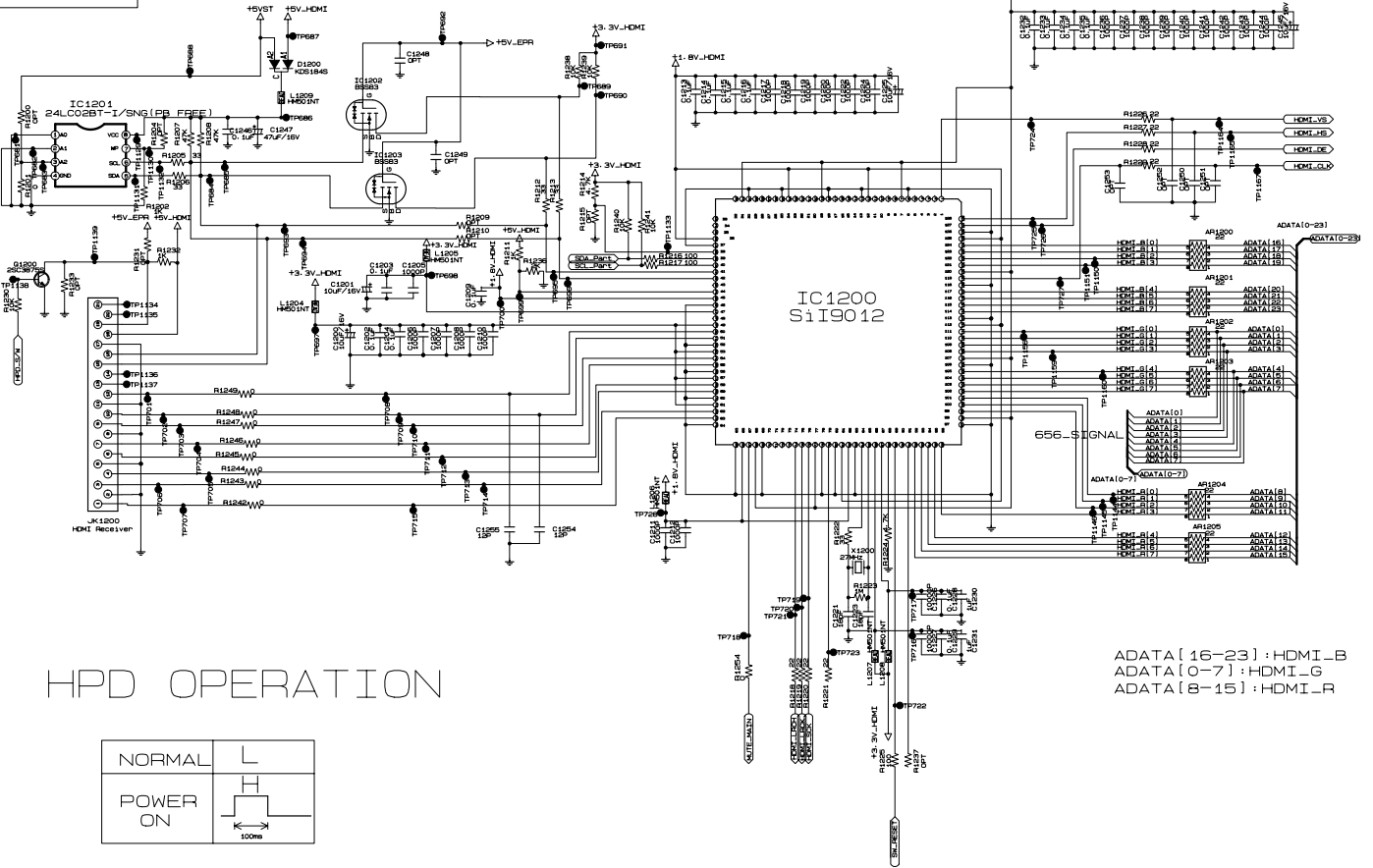
13. EPF_LVDS RX

EPF_LVDS RX

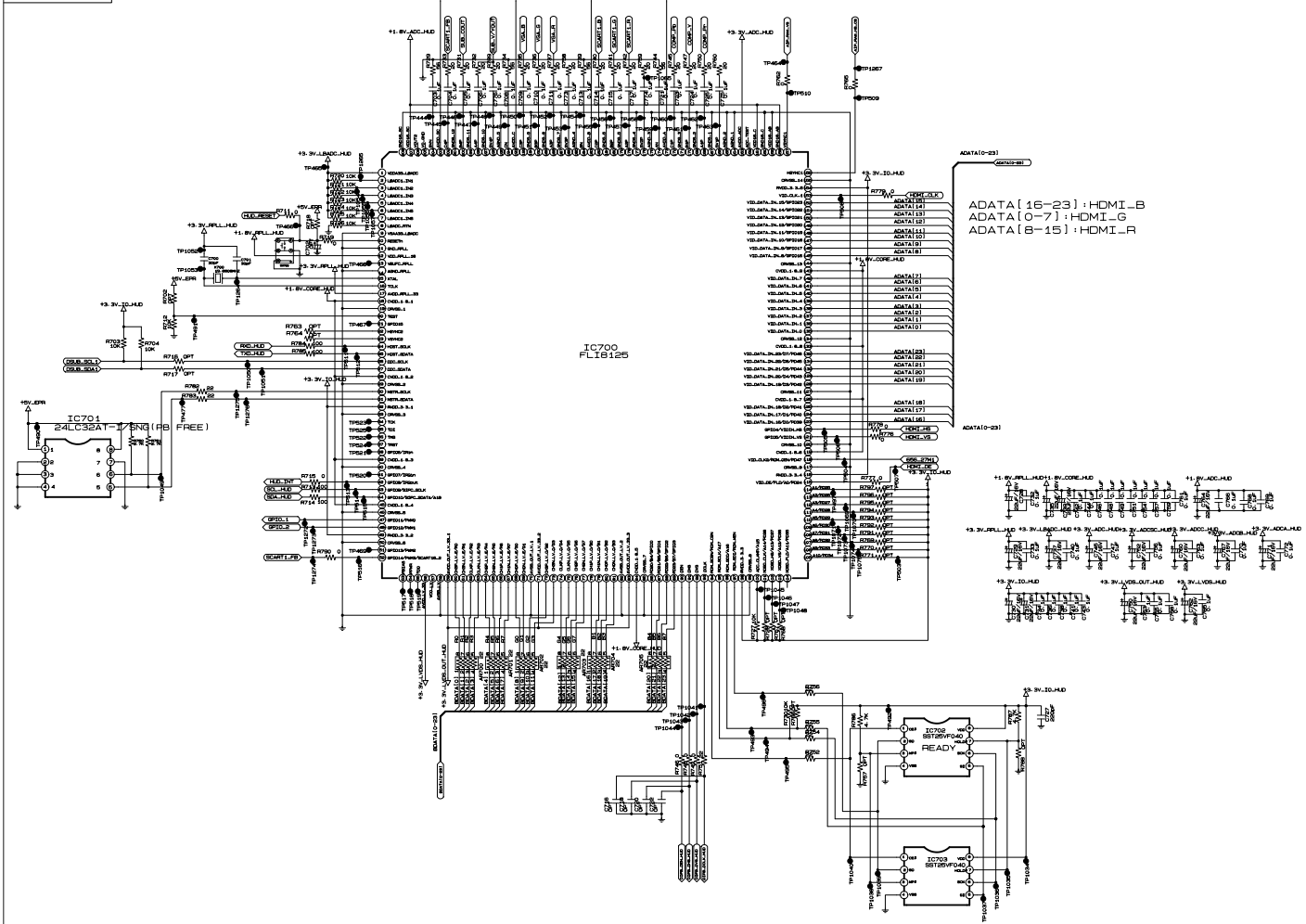
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42PX4DVA (GERMANY) ==>>READY
50PX4D (U.K.) ==>>APPLICATION
42PX5D (U.K.) ==>>APPLICATION
42PX5DA (ITALY) ==>>APPLICATION



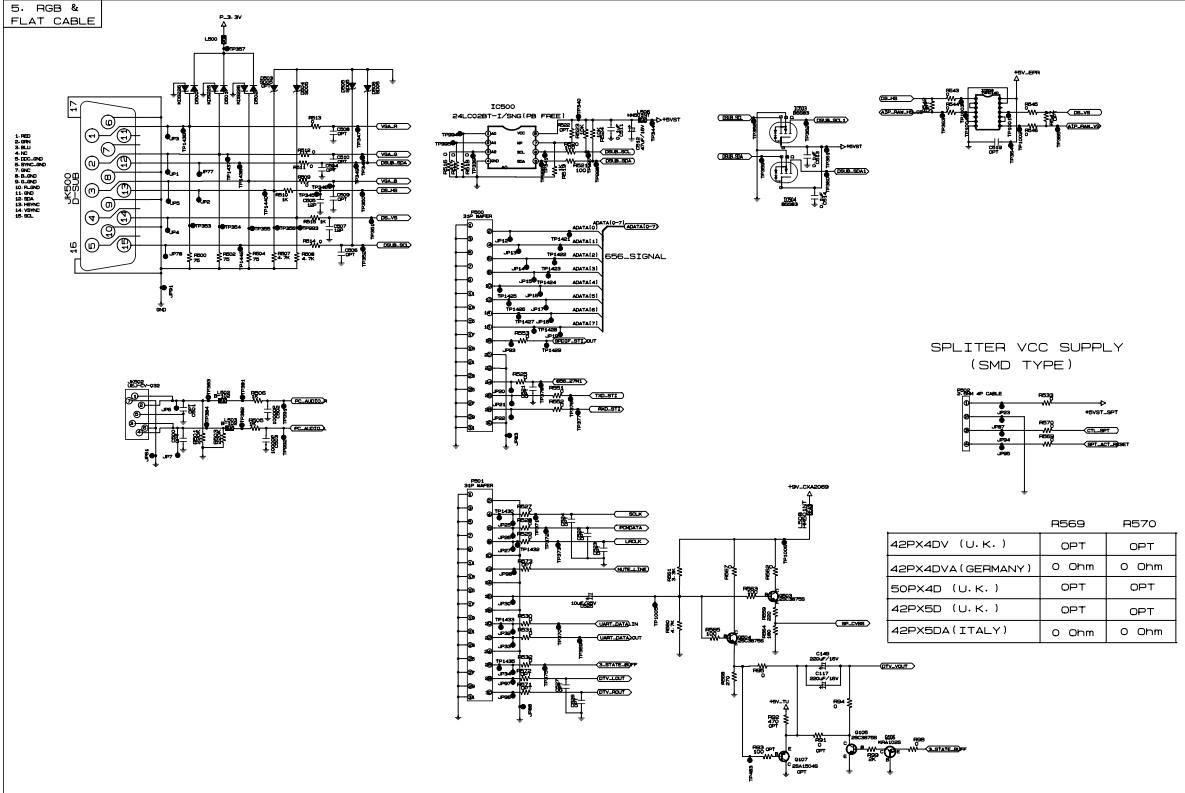
12. HDMI Rx



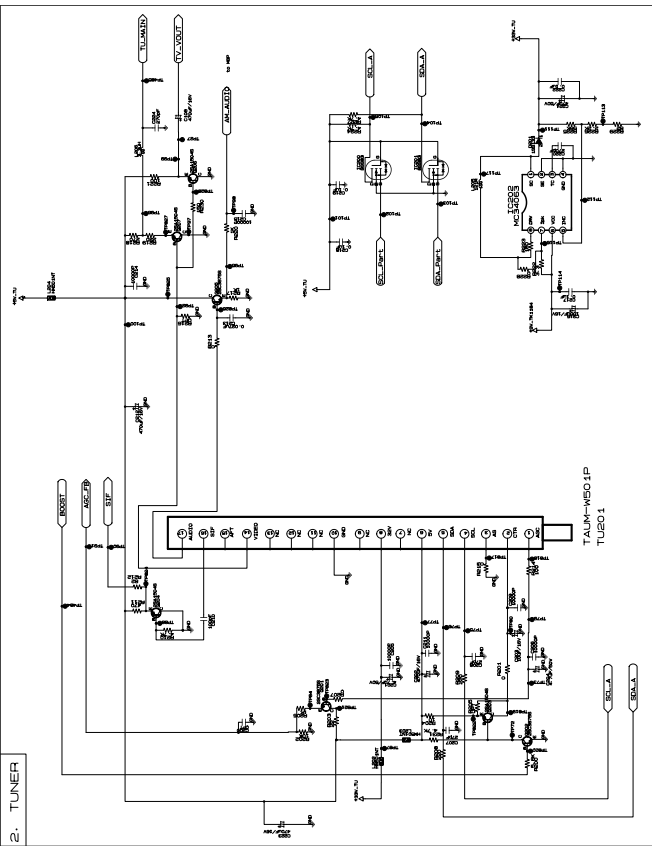
7. HUDSON



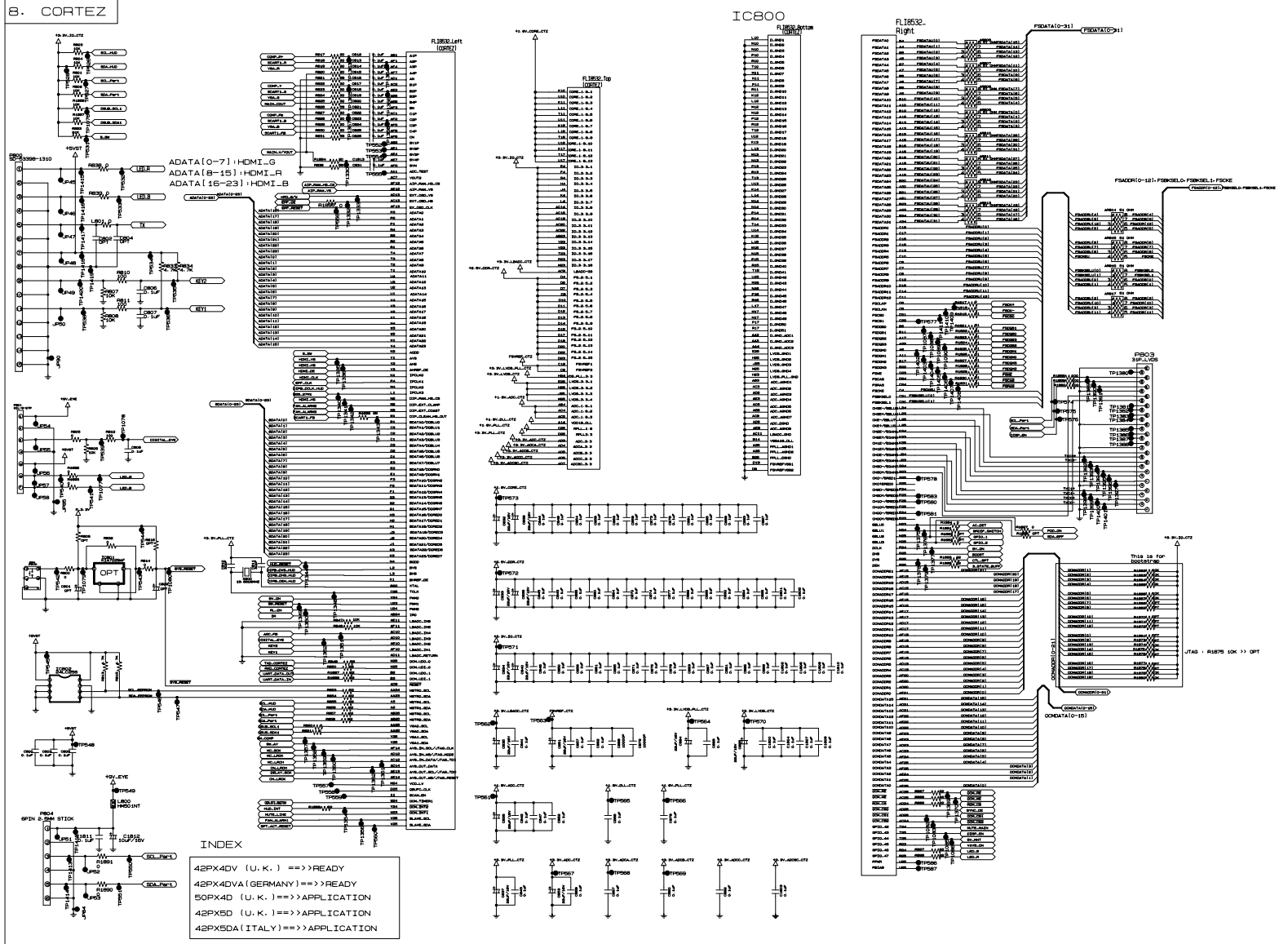
5. RGB & FLAT CABLE



2. TUNER



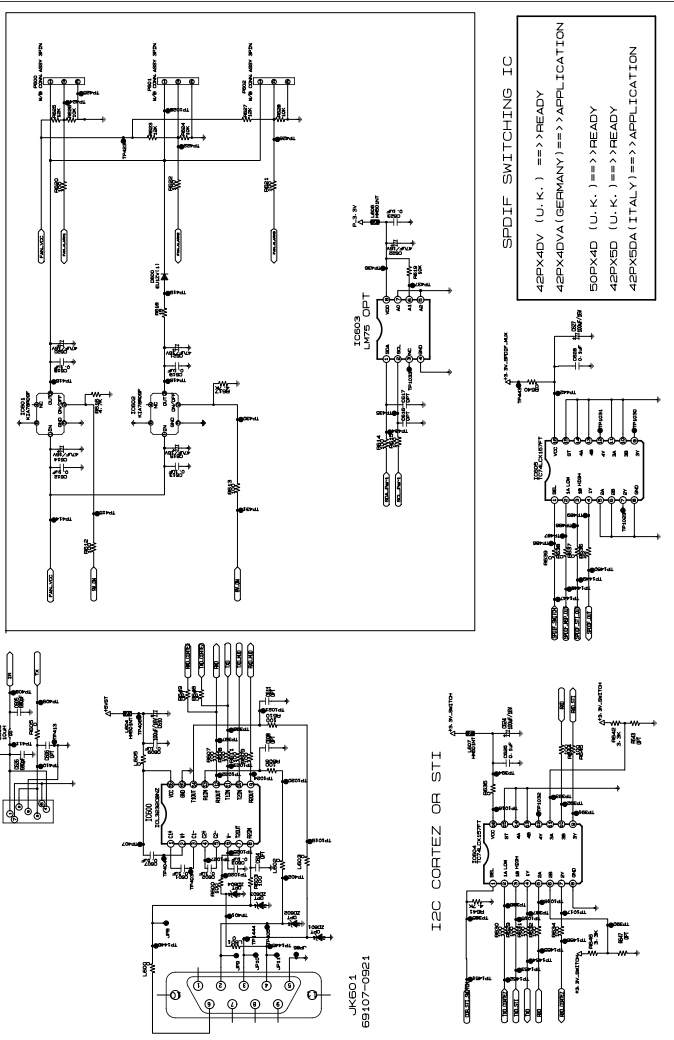
8. CORTEZ



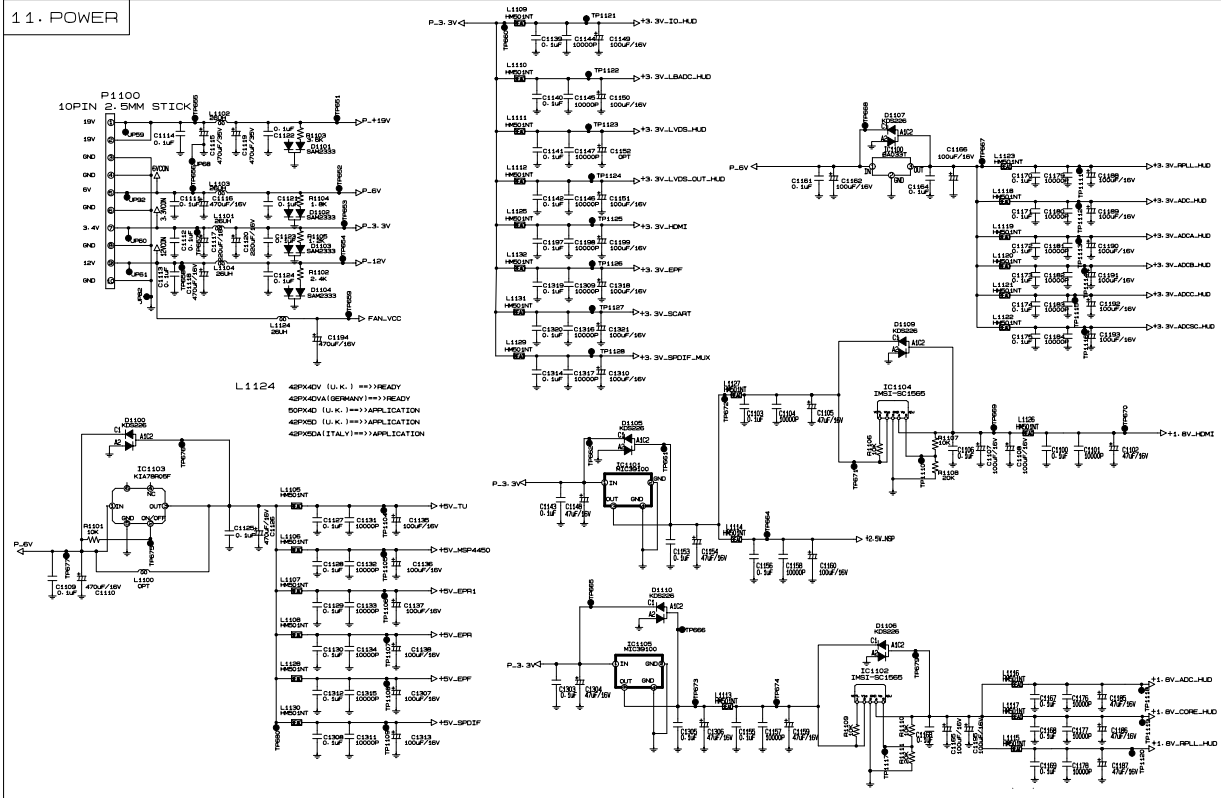
42PX4DV (U.K.) ==>>READY
42PX4DVA (GERMANY) ==>>READY
50PX4D (U.K.) ==>>APPLICATION
42PX5D (U.K.) ==>>APPLICATION
42PX5DA (ITALY) ==>>APPLICATION

FAN

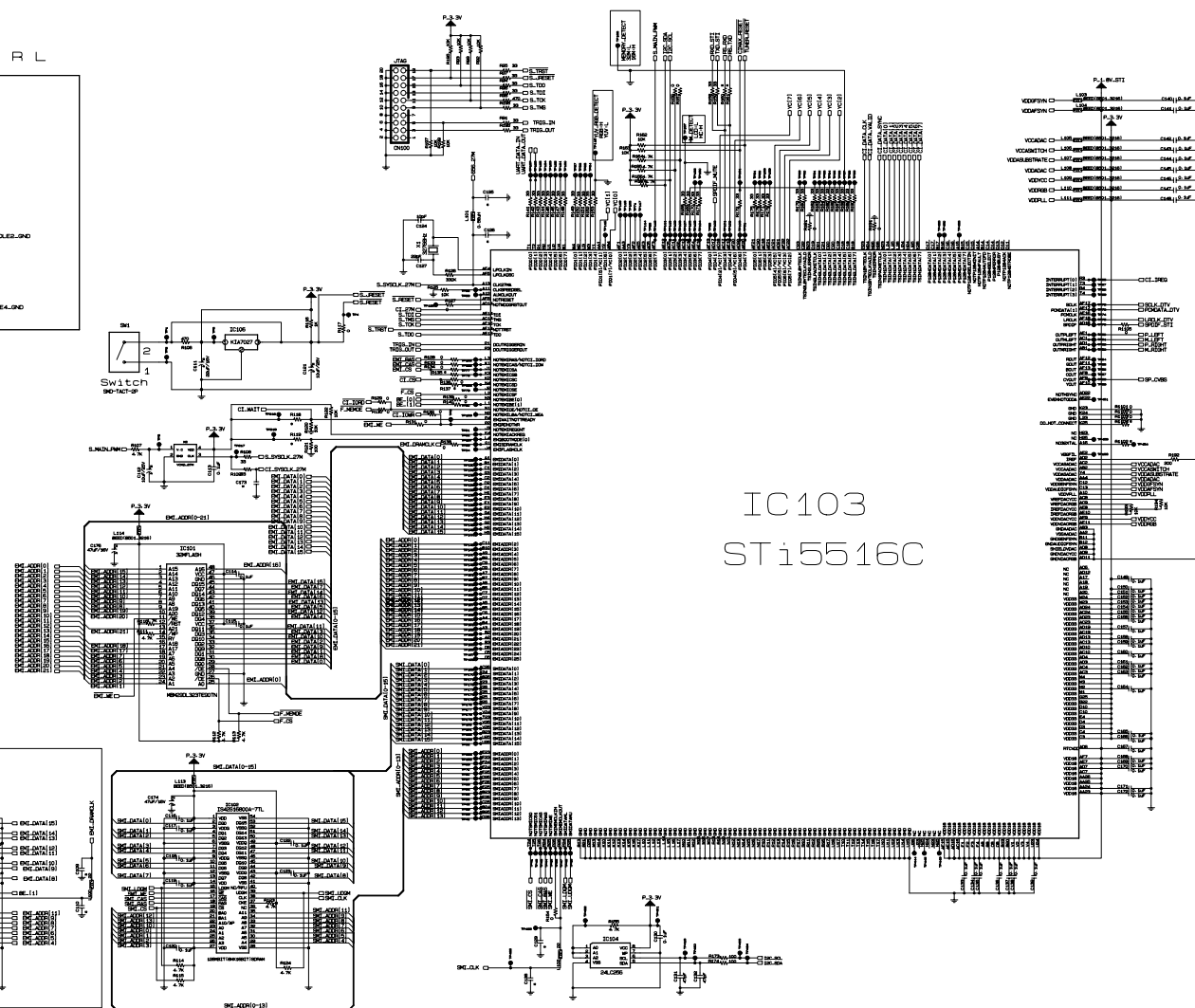
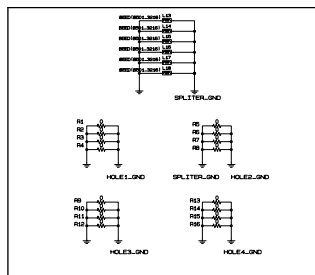
6. RS232C & FAN



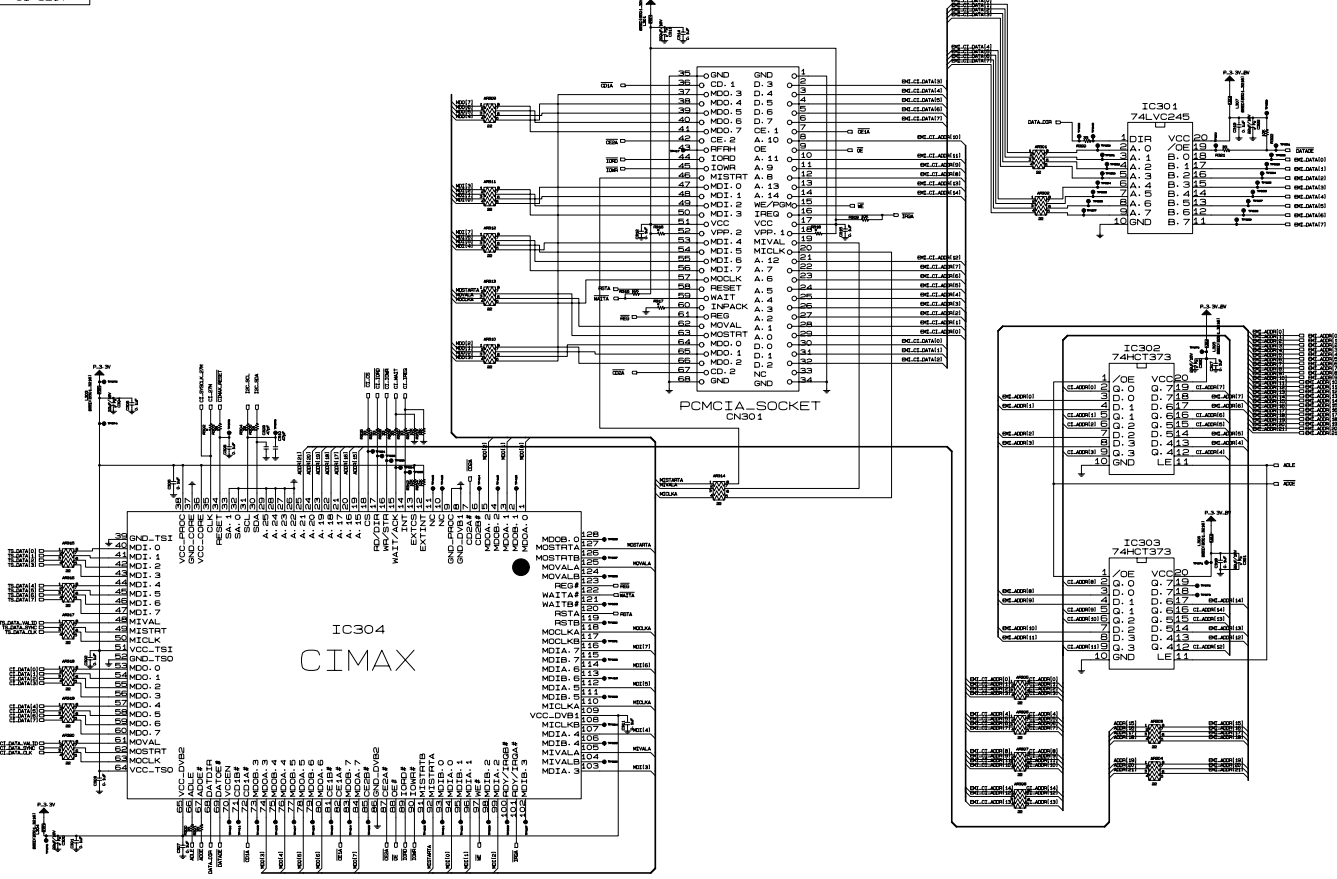
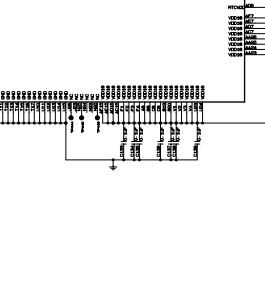
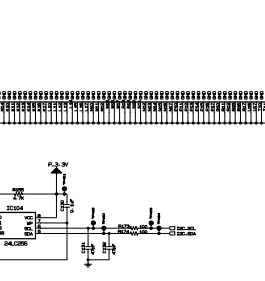
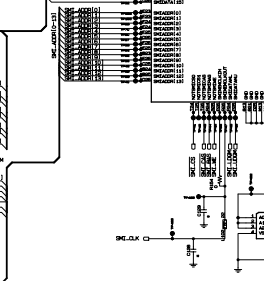
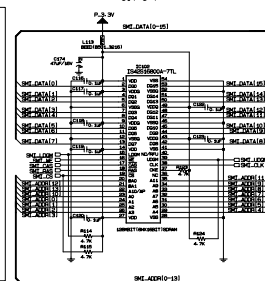
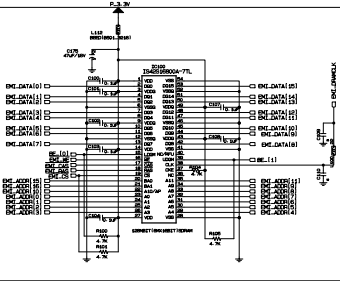
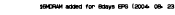
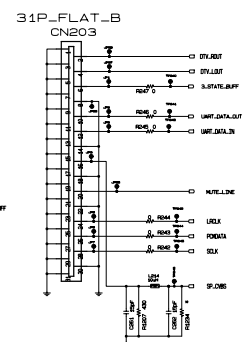
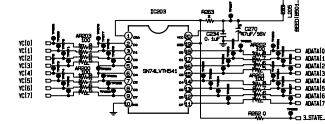
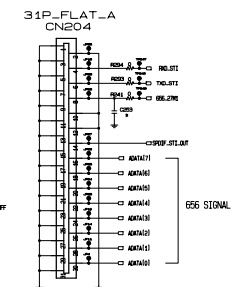
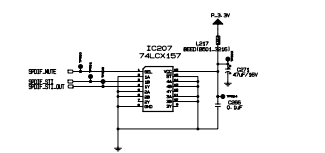
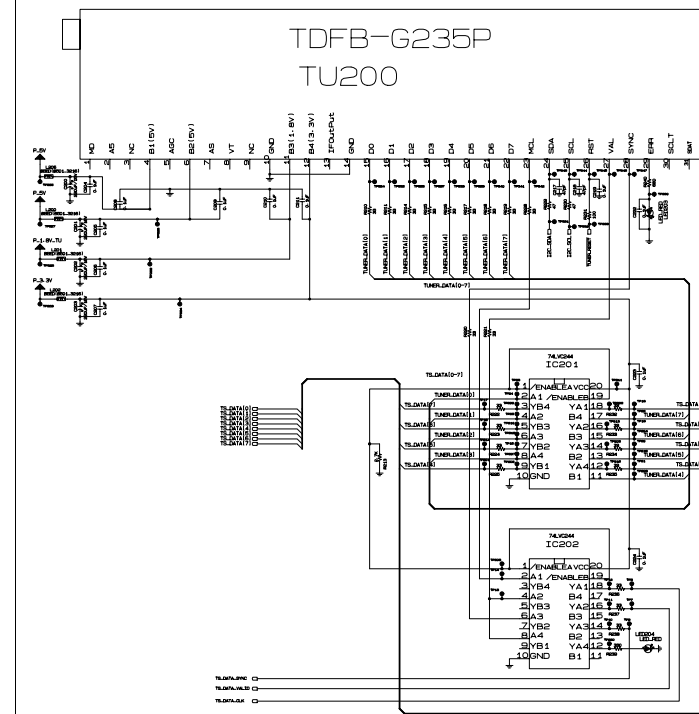
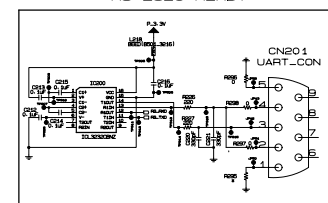
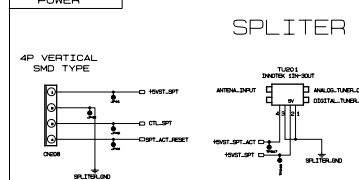
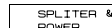
11. POWER



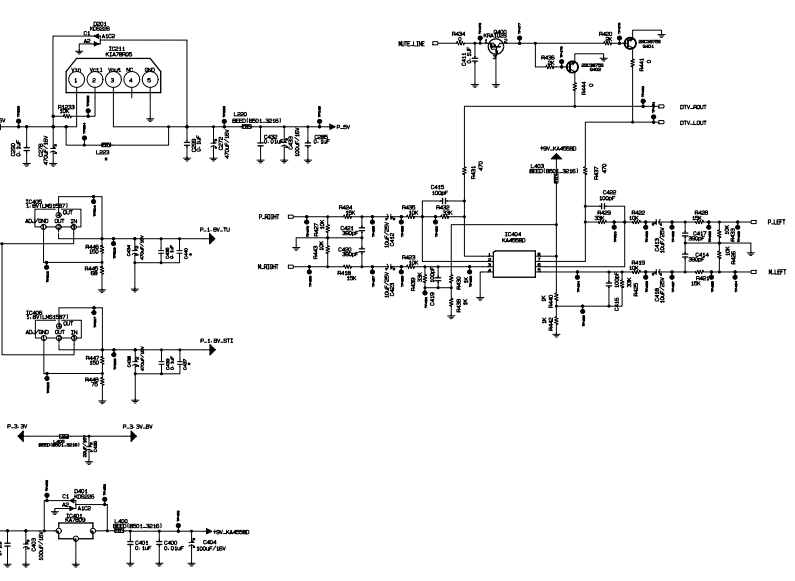
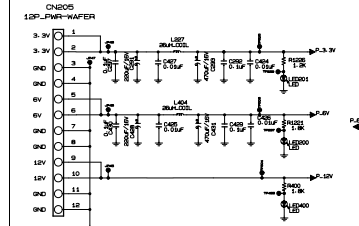
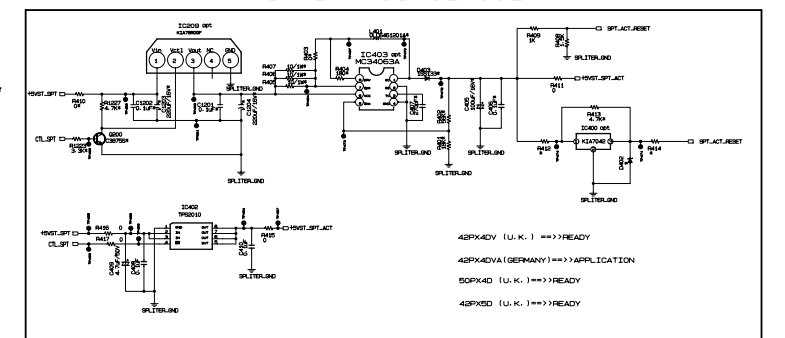
SEPARABLE GROUND R L



IC103
STi5516C

IC304
CTMAX

5V BYPASS CIRCUIT





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Jun., 2005
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